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# QCWA JOURNAL

PUBLISHED QUARTERLY

VOLUME XLVIII

*Spring - 1999*

NUMBER 1



Quarter Century Wireless Association  
159 E. 16th Ave.  
Eugene, OR 97401-4017

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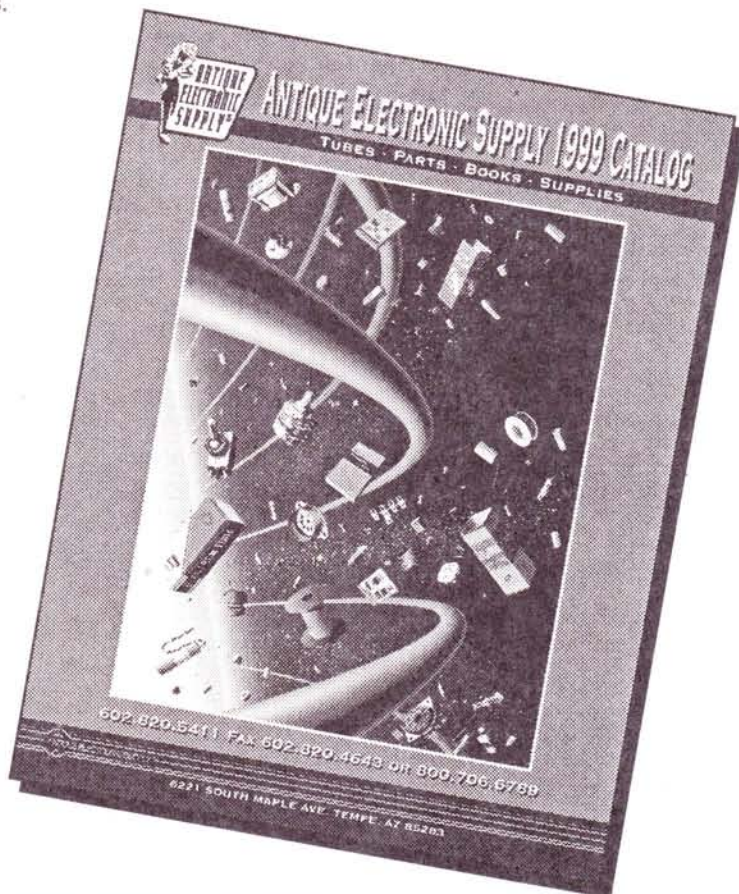


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# JOURNAL

Spring 1999/Vol. XLVIII No. 1

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SSB - Sunday at  
**2000Z on 14347**  
CW - Wednesdays at  
**2000E on 7035**

QCWA JOURNAL is published four times a year (quarterly) by the Quarter Century Wireless Association, Inc. Membership ion QCWA, including a subscription to the Journal, is available to individuals who qualify in

**POSTMASTER:** Please send change of address to QCWA, Inc., 159 E. 16th Ave., Eugene, OR 97401-4017.

Printed in USA and mailed Third Class from Melbourne, FL; Eugene, OR and other cities.

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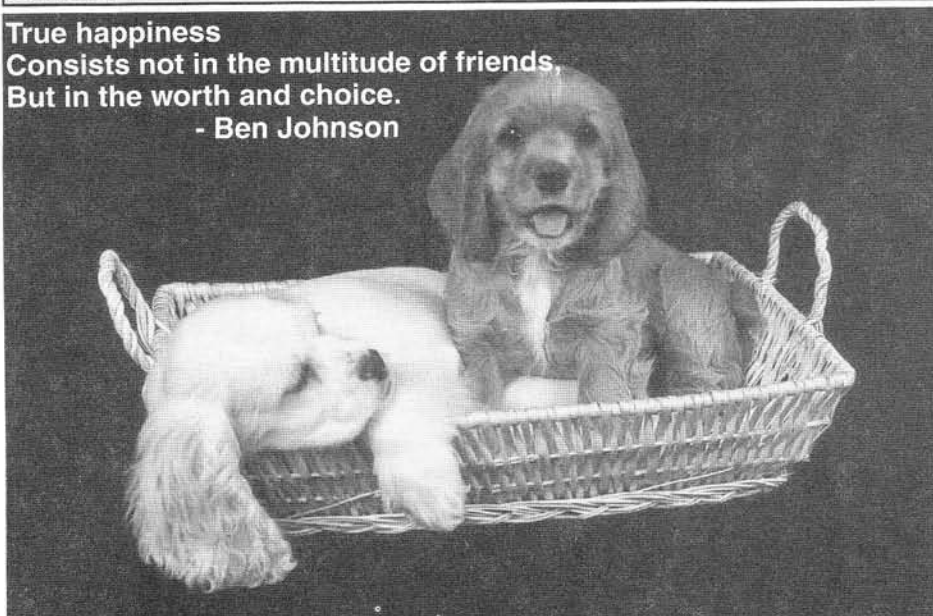
**55 Member Classifieds**

**Cover:** Tad Burik WA8PXL receives the QCWA Special Reward - getting to pose with Miss America 1998, Katherine Shindle at Special Event Station.

## True happiness

Consists not in the multitude of friends.  
But in the worth and choice.

- Ben Johnson





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THOSE WHO HAVE SERVED

## Past Presidents

|                           |             |
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| John DiBlasi, W2FX (SK)   | 1947 - 1964 |
| Earl R. Thomas, W2MM (SK) | 1965 - 1968 |
| Clarence Seid, W2KW       | 1969 - 1971 |
| Barry Goldwater, K7UGA    | 1972 - 1973 |
| Frank A. Gunther, W2ALS   | 1974 - 1977 |
| Harry S. Gartsman, W6ATC  | 1978 - 1981 |
| Stuart Meyer, W2GHK (SK)  | 1982 - 1985 |
| Leland Smith, W5KL        | 1986 - 1989 |
| Harry Dannals, W2HD       | 1989 - 1994 |
| Lew McCoy, W1ICP          | 1994 - 1996 |
| John Kelleher, W4ZC       | 1996 - 1998 |

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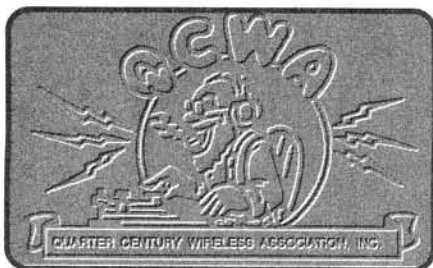
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|---------------------------|-------------|
| Ralph Barber, W2ZM (SK)   | 1955 - 1964 |
| Gus Girona, W2JE (SK)     | 1965 - 1973 |
| Ethel Smith, K4LMB (SK)   | 1974 - 1976 |
| Ted Heithecker, W5EJ (SK) | 1976 - 1991 |

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MA 01002 (October 1-May  
1), 6002 N. Fremont, Tampa,  
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## The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.

## From the President

Gary R. Harrison, KØBC



**T**o date (1/1/99) I have received less than a dozen comments about the QCWA Board's FCC comments. Of the ones that I have received approximately half are in favor of all or parts of the QCWA Board's comments concerning Amateur Radio restructuring. I know that not all of our members will agree with all or even a part of the comments we provided to the FCC. I hope that we provided some useful suggestions for the FCC to use in their efforts toward restructuring Amateur Radio rules. Most of us are fairly comfortable with the status quo, but the FCC's required review of the rules will probably bring changes to our hobby.

The search is on for a few good candidates for the QCWA Board. If you would like to help steer our Association's actions in the new century, please volunteer! If you would like to see changes made in QCWA, now is your chance. The requirements are willing to work for QCWA, attend all QCWA Board meetings and have been a member in good standing for at least two years. There is no pay or travel expense reimbursing. If you are interested, please let me know or get in touch with HQ. The General Manager or I will be glad to answer any questions you may have. We will forward any information we receive about volunteers to the nominating committee. The nominating committee's work must be completed by July 1999.

We are still getting replies to the life member survey! If you have not heard from us or have not replied yet and you are a life member, please call, write or send us an email. We are trying to verify our mailing addresses and data base entries.

Because of the publication deadline on this issue of the Journal, we do not have the results of the 1998 Recruiting Contest. As soon as possible the winning recruiter and Chapter will be announced. We still need to get out and let people know that QCWA is here. Please show the flag (Chapter banner) at all of the local activities that you can. One example will be the QCWA booth at the Dayton Hamvention. Please drop by and say hello. Several of the Officers and Directors will be there. Let us know in person what you think we should be doing for QCWA.

Don't forget the 1999 QCWA Convention! This will be in St. Louis, Missouri in September. Come and socialize with your friends and the QCWA Board. Check on the QCWA home page ([www.qcwa.org](http://www.qcwa.org)) for current information. To join us, please use the registration form in this Journal.

QCWA National  
SSB Net  
Sundays at 2000Z  
on 14347

# Meet me in St. Louie, Louie

September 24 & 25, 1999

## FORUMS

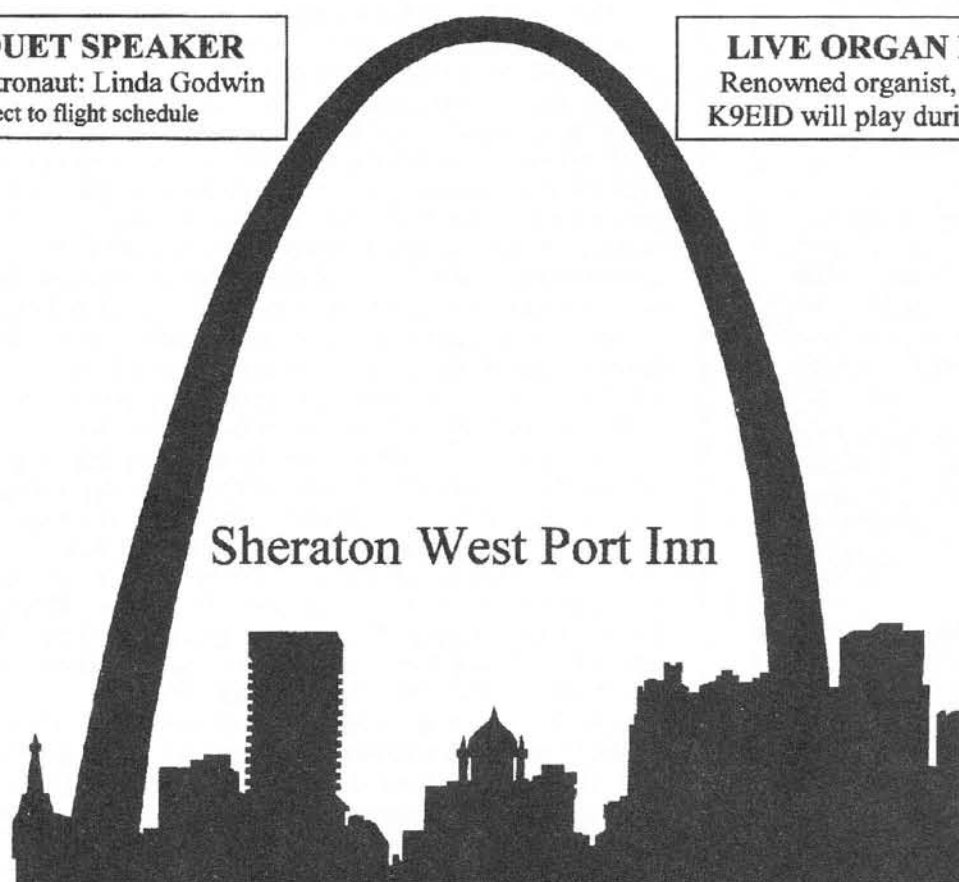
QCWA, President Gary Harrison, KØBC  
ARRL, representative from league headquarters  
Digital communications, Mel Whitten, KØPFX  
Audio Processing for the best signal on the band, Bob Heil, K9EID  
Amateur Satellite communications, former AMSAT director, Roy Welch, WØSL  
Interference detection, direction finding, transmitter hunting, Mike Musick, NØQBF

## BANQUET SPEAKER

NASA astronaut: Linda Godwin  
Subject to flight schedule

## LIVE ORGAN MUSIC

Renowned organist, Bob Heil,  
K9EID will play during banquet



Sheraton West Port Inn

---

# 1999 QCWA National Convention

## Missouri Chapter 19 will

## “Show You St. Louis”

---



**Convention Hotel** There are two Sheraton Hotels in the West Port Plaza complex. All convention activities will take place at the beautiful Sheraton West Port Inn that overlooks the lake and the 150-foot high geyser fountain. There are lighted walking paths around the lake and complex for those who want to take a stroll. Ask for the QCWA special room rate of \$85.00 per night. This rate also applies to the three days before and after the convention. Make your reservations directly with the Sheraton West Port Inn, 191 West Port Plaza, St. Louis, MO 63146, 314-878-1500.

**West Port Plaza** The plaza contains 20 restaurants ranging from "fast food" to some of the best steaks and seafood in the area. American, Japanese, Italian, Irish, German and Continental cuisine is available within walking distance. The plaza is a little West and South of Lambert St. Louis International airport and free shuttle service is available.

**The Big Picture** For your planning purposes here is an overview of the agenda:

Wednesday: Board of Directors arrive

Thursday: Directors meet, Convention registration begins, Hospitality suite opens.

Friday: Convention Forums, Tours, Hospitality suite, Get acquainted party with cash bar.

Saturday: Convention Forums, Tours, Hospitality suite, Banquet, Awards, Guest speaker

**Tours** Thursday: Shopping and lunch at the Galleria for Director's wives.

Friday afternoon: Have lunch, tour St. Louis, visit the Gateway to the West museum and ride to the top of the arch for a spectacular view of the city.

Saturday afternoon: Lunch and shopping at the historic train station.

**Registration** Register now by completing the form below. Fee includes all forums, morning and afternoon refreshments, Friday evening "Get Acquainted" party (cash bar for drinks) and hospitality suite. Fees for the tours will be collected during the on-site registration. There is no convention registration charge for a non-member spouse or guest.

### **1999 QCWA National Convention, September 24 & 25, St. Louis, MO**

Name \_\_\_\_\_ Call \_\_\_\_\_ QCWA # \_\_\_\_\_

Spouse/Guest Name \_\_\_\_\_ Call \_\_\_\_\_ QCWA # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

|                                 | Number | Cost Each | Amount |
|---------------------------------|--------|-----------|--------|
| Member registration             |        | \$15.00   |        |
| Non-member Spouse/Guest         |        | Free      |        |
| Banquet Dinner: Chicken Roulade |        | \$25.00   |        |
| Banquet Dinner: Filet Mignon    |        | \$30.00   |        |
|                                 |        | Total     |        |

Please make checks payable to: QCWA National 99 and mail to the Registration Chair:

Mr. Russ Poe, WAØRWF, 1717 Janet Place, Kirkwood, MO 63122

For planning purposes: Friday tour participants: \_\_\_\_\_ Saturday tour Participants: \_\_\_\_\_

Questions? Contact chairman: Roger H Volk, KØGOB, e-mail: rvolk@gatewaygrp.com



## Gen. Manager's Report

Jim Walsh, W7LVN

The end of the year is approaching as I write this and it has been quite a year. To all of you a very prosperous New Year. Many things have been started and continue with their respective progress. To us, at Headquarters, the scanning of the old application continues and we now only have about 26,000 to go. That means we have a little over 3000 done and recorded on the CD disk taking up about 3/4 of the disk.

Lots of our secretaries are really taking advantage of the e-mail advantages as well as attaching material to their e-mail. So far this has turned out pretty well. Many are really taking advantage of the long file names and I would urge you to shorten them down to the pertinent information. For instance a chapter report could very well be named Chaptxxx.txt and all of us would know what it was for. With many computers proliferating, some very funny suffixes are developing. Most of these have no bearing on what program wrote the file, and it is impossible to decipher the file without spending a lot of time guessing at it. Each program, that you would commonly use, has its own suffix that it automatically attaches. Make the name short and let the program place the proper suffix.

The QSO party will have its turn again this year, in fact twice this coming year. Try and attend and participate. It is fun and you will enjoy it very much. May I once again remind you of the Sunday net at 2000Z on 14,347. Conditions are getting better every Sunday.

Our new officers and Directors are getting into the jobs very well and it looks like quite a bit of work will take place in their endeavors, and be very productive for QCWA.

73,

Jim, W7LVN

### Memorial Scholarship Fund Donations

| NAME               | HONORING                            |
|--------------------|-------------------------------------|
| CHAPTER # 76       | W2CCS, K4HXZ,<br>KF4NM, K6SV, KF4YB |
| JOHN SWAFFORD      | W7BDE, W1VPF &<br>MARTHA MC COY     |
| CHAPTER # 41       | W5MM                                |
| GWINNETT ARC       | W4NZJ                               |
| CHAPTER # 183      | W1FAB                               |
| CHAPTER # 181      | WB2AQF                              |
| JAMES B DIDRIKSEN  |                                     |
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| RALPH HASSLINGER   |                                     |
| WAYNE GINGERICH    |                                     |
| STEPHEN S BARNES   |                                     |
| WILLIAM G. HESSLER | W8LIH                               |

### Directory Update

As planned and announced a year ago, about 1/3 of the call areas in the Directory will be updated in June. There will be a charge to cover the printing and mailing expenses. It is anticipated to be about \$4.00 to \$5.00.

In order to plan the printing order, it is necessary for you to indicate your desire to order a copy. Please send your call and name (with e-mail address if available) as soon as possible. Once the printing quantity and costs are determined, QCWA Headquarters will notify you of the directory cost.



# 75-year Certificate

Jim Cooper VE3CR of Clinton, Ontario was presented with a handsome plaque mounted 75 year Gold Certificate recognizing his 75 years as an Amateur Radio operator. Chapter 73 Secretary/Treasurer Harold Braun VE3DWH made the presentation at a recent meeting of the BLUEWATER ARC in Goderich, Ont. . When queried as to the attributes required to attain the 75 years mile post Jim replied, "one must start young and live long".

In a recent compilation of "Amateur Radio in the Early Twenties" Jim described his early activities us-



**Left to right: George Roach VE3BNO presents Jim Cooper VE3CR with 75-year plaque.**

ing a spark gap transmitter in the Toronto area. Since a license was not necessary everyone started out using their initials as call signs. When licenses were required the Department of Marine and Fisheries issued Jim with 3IV for a dollar. No exam was required. A few years later he acquired 3CR, which eventually became VE3CR.

In time he graduated to a one-kilowatt transformer, rotary spark gap and a tube receiver. In those days broadcast radio was becoming popular and many people regarded the young amateurs as pests. A letter to the editor of a Toronto newspaper mentioned several names and call letters including his and described them as "unreasonable kids". His father saw the letter, became very upset and told him to dismantle the transmitter at once. Jim moved on to a CW transmitter.

When he was 18 he obtained a commercial ticket and operated spark gap on ships until the late twenties. During WW II he taught Radar at the RCAF School in Clinton. After the war he moved to Goderich and taught in the local High School for many years.

He is still active on the air maintaining several weekly skeds and drives his car from Clinton to Goderich several times a week during good driving conditions.

**Harold Braun VE3DWH - Secretary/Treasurer Chapter 73**



## Poor spelling makes unreadable CW

From Dick WØRPV

Here I am trying to work a few CW stations to shake the cobwebs off my 30 meter array. I'm hearing good signals at a time when the higher bands are closed and the lower ones full of broadcast signals or static.

I tune around and try to follow a QSO. Doesn't make much sense. It's almost like it was in a secret code. I try another. Ah! Perfect copy on both sides. I'm considering butting in and making it three way when one guy says he has to work in the morning GM—good night.

I try another strong signal—very strange words like a foreign language—can't make it out. I try another. Just as bad but this guy keeps repeating and sometimes it's in English. The other station comes back and tells him OK on the TEN TEC. OK on the dipole. He goes on at length in this fashion and somehow I get the feeling he didn't copy but one word out of 25. I'm scratching my head. What goes here?

Then it dawns on me. My CW is OK. These guys can't spell! I'm listening to misspelled CW and that's why it doesn't make sense to me. We've been worrying about code proficiency and overlooking the three Rs. I wonder how the ARRL is going to tackle that problem.

A first reaction to this situation is a chuckle until I think it through and then I get very sad. Perhaps abolishing the CW requirement for a license will happen by default. Interesting concept, don't you think?

73, Dick, WØRPV

## The Foundation for Amateur Radio, Inc.

The Foundation has announced that they will be seeking applications from students looking for assistance to go to school. There are many groups sponsoring scholarships through FAR besides QCWA. When anyone applies, even though they may be looking towards a QCWA scholarship, they are also eligible for many other scholarships. Applications may be obtained through FAR Scholarships PO Box 831 Riverdale MD 20738 Additional information and applications may be requested postmarked prior to April 30, 1999 from FAR.

## Southwest Ohio Chapter 9 dinner

Southwest Ohio Chapter 9 has announced its annual dinner at Alex's Continental Restaurant on Friday, May 14, 1999. COD bar at 7:00 p.m. and dinner at 7:30 p.m. Advanced reservations are required at \$15 per person. Make your reservations with Fred Stone, Treas. Of Chapter 9, 4170 Beechwood Dr., Bellbrook, OH, 45305. QCWA membership is not a requirement to attend.

# TWO HAMS AND A PRIME RIB

Two Edison Chapter 196 Hams participate in Miss America Special Event Station

By: Tad Burik - President Chapter 196

The Edison Chapter #196 of Fort Myers, Florida had the honor of being represented by two operators at the Miss America Pageant in Atlantic City, New Jersey, this past September. Chapter secretary Jan Scheuerman, KJ4N, and Tad Burik, WA8PXL, arrived just in time to hit the airwaves for the final week of preliminary competitions.

SCAPA, the Southern Counties Amateur Radio Association, a local southern New Jersey ham radio club has provided communications assistance for the Miss America Organization for the past 28 years. SCAPA relays information to pageant parade officials on the evening prior to the final competition. The parade is four miles long and takes two and a half hours to display almost a hundred floats, marching bands and a classic convertible transporting each contestant. The world famous Atlantic City boardwalk is host to this most prestigious parade.

There is a theme for every parade and the Miss America parade theme is "show me your shoes". It seems that years ago somebody wanted to catch a glimpse of the contestant's legs...the rest is history. Now contestants will surprise the spectators by wearing a funny set of shoes that reflect their home state. For example, Miss Vermont had a bottle of maple syrup on one shoe and a stack of pancakes on the other to honor Vermont's great syrup. Another was Miss Florida wearing a big sun-face honoring the sunshine state.

Millions on national television view the pageant itself. During the course of practices and preliminary competitions SCAPA was heard operating its club and special event station K2BR.

SCARA volunteers effectively construct a full-scale ham radio station on the premises of Miss America Pageant's home at Convention Hall. With a tri-band

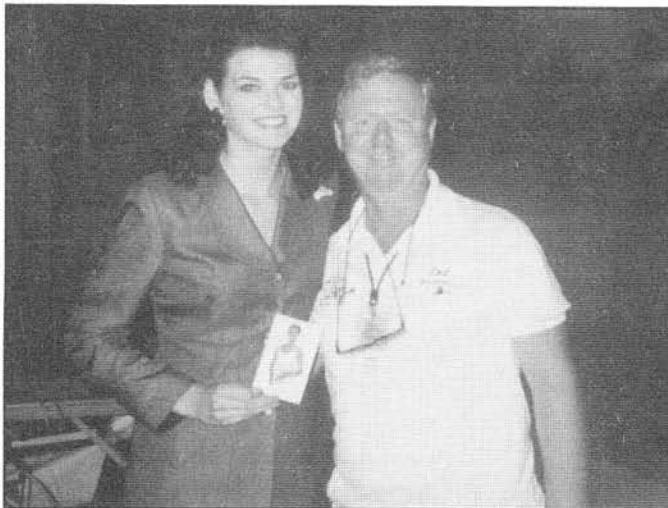
HF beam and assorted dipoles on top of the Convention Hall's massive roof, K2BR was capable of putting out a great signal. Convention Hall was constructed in 1929 and is large enough to hold indoor football, hockey, basketball and baseball games.

Band conditions were not great this year but hundreds of contacts were made throughout the world. Most contacts were on 10 and 15 meters, both CW and SSB.

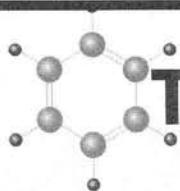
"Pageant-grams" were given to all 51 contestants, production crews and anyone else that wanted to say hello to friends and family.

When a pageant-gram was returned to an operator at K2BR it was quickly sent out as CW traffic on the National Traffic System for prompt dispersal and happy greetings to the desired party. Even Kate Shindle, Miss America 1998, sent a pageant-gram. It made everyone involved in this project especially tickled considering the high level of stress that Miss Shindle was under. It proved that she was indeed special and still had time to spend with the volunteer operators at K2BR. Fun and smiles were abundant when contestants took some of their very valuable time to get on the air and chat with hams all over the world. Yippee, send QSL please!

It's all over for this year but don't forget to listen for this very "special" special event station next September. It will be coming to you live from the boardwalk on Absecon Island, IOTA North America 111, Atlantic City, New Jersey, home of the Miss America Pageant, K2BR, off and clear.



*Katherine Shindle, Miss America 1998 with Tad Burik  
WA8PXL, President of Chapter 196*



# The LOCUS of our FOCUS

By: Alan Pickering KJ9N  
National Director QCWA



Alan Pickering KN9N

Every voluntary association of like-minded people needs to know the purpose relationship to one another — hold in common. For the QCWA, the stated mission behind their mutual association, i.e., their “mission” as a group, and the over-all goals which they — as individuals in is that we are “organized for the promotion of interest in Amateur Radio communication, for the establishment and

advancement of the radio art and of the public welfare.”

This is a valid and appropriate statement of what the QCWA is all about. It is not unlike a number of declarations of purpose and mission statements of other groups of Amateurs who have banded together in local, state, and national clubs and groups to promote the future of amateur radio in all of its various modalities. But, like most of these mission statements, it lacks the specificity to attract those who are always asking, “...but what do you people actually do?” (that is, besides meet regularly, enjoy one another’s company, shoot the bull and the cow, and look out for one another’s health and welfare needs)? What they really want to know, specifically, is this: What is the Locus of Your Focus? What are you really “doing” that is making a difference in preserving and expanding the future of Amateur Radio? Good questions, eh? And most especially, if you are seated at the QCWA “table” at one or more of the hamfests around about your operating locale, trying to interest the passing crowd in joining QCWA (if qualified) and by sharing your excitement at being a part of Amateur Radio’s most elite, proud, and experienced group.

To answer those questions, I have tried to examine just exactly what it is that makes the QCWA “special” and unique, and what the QCWA “brings to the table” in the many forums of amateur radio that are out there in Radioland. My conclusion: We know, from our 25 and more years of experience, just how “it used to be,” before the bands became the roosting place for the toilet-mouths, the garbage-language dumpers and the prejudiced hate-mongers that are constantly seeking a new forum in which to spout off. You know who I am talking about. They used to be found on those frequencies not normally preserved for licensed amateurs. But now they have found their way among us. And to many newcomers to Amateur

Radio, their nastiness and thoughtless behavior is the “norm” which we should not let go unchallenged.

Isn’t it time for those of us who have persevered to these 25 and more years to say “No” to these malcontents? Can we not organize ourselves around our collective memory of a kinder, more gentle day that need not be lost and forever forgotten? Isn’t it time for us to focus on reducing and eliminating the vulgar, obscene and discourteous language so prevalent both by night and by day? No, I am not advocating that the QCWA become a group of “frequency police.” Rather, my appeal is to focus and then build upon the locus of our greatest strength as an Association — our knowledge of the best standards of oral communication possible, without the vulgarisms and obscenity we now hear so often.

I think so. I think we can begin by writing encouraging words to FCC Compliance and Information Bureau director Riley Hollingsworth, K4ZDH (with a copy to FCC Chairman William Kennard) commending him for his newly initiated efforts to enforce Part 97 of the Rules. At the moment, Riley is concentrating on the intentional jammers and interference scofflaws. But a thousand letters from concerned QCWA individuals, along with a hundred or so from local chapters, just might help the FCC further widen its enforcement efforts to include the toilet-mouths who spoil our bands, 20 and 75 in particular.

But whatever such efforts might stimulate in the way of FCC enforcement, the important thing for us as QCWA members to remember, is our great heritage of “gentlemanly and ladylike” speech and deportment from our past experience. That heritage is probably — after enthusiasm for amateur radio — the best thing we have going for us in attracting new members and revitalizing the Chapters to which we all belong. That heritage is the basis for our claim to be the Elite, the Proud and the Many — the QCWA.

The next time you ask someone to “join up” with us, be prepared to tell that potential recruit the Locus of the Focus of your Chapter, and why his or her 25 years of past experience is an asset that needs to be utilized and directed toward the improvement of our hobby: to do together, with others of like mind, that which none can do alone. The QCWA CAN make a difference if it initiates conversations among all amateurs that are directed toward cleaning up the language and improving the speaking habits of all who prefer phone over CW (where one is hard put to find the vulgar and obscene). The QCWA has a great asset in its collective experience of a better day back then, and that asset should never be wasted. Now is the time to identify it as the Locus of Our Focus!





# RULES & REGS



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

*This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.*

## Introduction to Rules and Regs column

It seems appropriate at the end of 1998 to give you selected abstracts from the leading article in the W5YI Report for January 1st, 1999, titled "The 1998 Amateur Radio Year in Review". These abstracts have already appeared in the February 1999 issue of Autocall (published by the Foundation for Amateur Radio and distributed primarily in the Washington D.C. area). However, there is little duplication in distribution between these two media.

### JANUARY 1998

■ Two rulemaking proceedings were still awaiting action by the FCC. One is WT Docket 96-188 "Authorization of Visiting Foreign Amateur Operators to Operate stations in the United States", which seeks to simplify procedures whereby certain foreign amateurs can operate amateur radio stations while on short visits to the U.S. The other is WT 97-12, which seeks to "Provide Greater Use of Spread Spectrum Communication Technologies in the Amateur Radio Services".

■ The FCC began activating their new Universal Licensing System, which consolidates into one many different licensing systems (including that for the Amateur Service).

■ Gate 4 of the Vanity Call Sign System opened in December 1997.

■ As of January 1st all amateur radio licensees were expected to evaluate their stations for potentially excessive human exposure to RF, and take corrective action if necessary.

■ At WRC-97 in Geneva two amateur radio issues that were on the tentative agenda for WRC-99 were postponed until WRC-2001. They are (1) realignment of allocations around 7 MHz to reduce conflict between ham radio and short wave broadcasting allocations, and (2) consideration of ITU Radio Regulation S25, especially the Morse code proficiency requirement for operation below 30 MHz.

### FEBRUARY 1998

■ Canadian amateurs were advised that their regulatory agency, Industry Canada, was looking into the possibility of regulating amateur radio operators without the use of radio station licenses.

■ The FCC released a list of initiatives proposed for review as part of the Congressionally-mandated Biennial Regulatory review. One of the initiatives is simplification and streamlining of the Amateur Radio

Service. (See related items on restructuring proposals by ARRL in July, and by the FCC in August).

■ The FCC issued an NPRM concerning the proposed Universal Licensing System which, when fully implemented, will reduce the forms required for licenses in various radio services from forty to four. (More details are given under the September happenings in the W5YI summary). The NPRM also proposes discontinuing issuance of reciprocal operating permits to visiting radio amateur permits and authorizing reciprocal operation by rule.

### MARCH 1998

■ In a meeting between FCC and ARRL officials, ARRL was told that the Commission was thinking about reducing all Morse code examination speeds to 5 wpm as a way to eliminate the need to grant waivers of high speed telegraphy examinations to the handicapped.

■ The FCC's Office of Managing Director announced that the ten-year cost of a Vanity Call Sign will soon be reduced from \$50 to \$12.90.

### APRIL 1998

■ The ARRL filed a Request for Declaratory Ruling asking that the FCC acknowledge that band plan compliance parallels good amateur practice. The FCC issued the document as a Petition for Rule Making and sought comments. Comments overwhelmingly opposed the proposal.

### MAY 1998

■ The FCC announced at the Dayton Hamvention that the 1998 Biennial Review of regulations would include a review of Amateur Service rules, including the license structure, number of license classes, and the heavy reliance on Morse code proficiency.

### JUNE 1998.

■ The FCC proposed Rules to prevent illegal eavesdropping on cellular phone calls, and included regulations applying to radio kits and mandatory "potting" of radio circuits.

### JULY 1998.

■ At their annual conference at Gettysburg, PA VEs are told that the FCC is indeed looking at a reduction in the Morse code examination speed as a way around the need to grant code waivers.

■ Anticipating FCC action on license restructuring, ARRL proposed a simplified amateur license structure in a letter proposal to the FCC. The League recommended four license classes instead of six, and two code exams at 5 and 12 wpm.

### AUGUST 1998

■ FCC released an NPRM which advocated re-



## Alien Hunters, Radio Amateurs

### Join Forces

LITTLE FERRY, NJ. September 1998 — The SETI League, Inc., non-profit leaders in a privatized Search for Extra-Terrestrial Intelligence (SETI), announces its affiliation with a leading Amateur Radio technical organization, the Central States VHF Society. Plans were formalized at the annual Central States VHF Conference this summer for each of the two organizations to join the other as a Member Society.

Founded in 1966, the Central States VHF Society provides a forum for technical advancement within the Amateur Radio community. Society members have been responsible for developing many of the technological innovations in microwave communications that make modem SETI possible. The SETI League was founded in 1993 to help privatize the scientific search for life in space. The two organizations each have several hundred members.

"It's a logical affiliation," notes Gerald Handley, the VHF Society's board chairman. "Many of our members, including myself, also belong to The SETI League, and in fact the SETI League's chief scientist is a longtime VHF Society member. We hope to collaborate in applying the very latest in radio technique to the challenge of interstellar communications." SETI League executive director Dr. H. Paul Shuch, who has served two terms on the Central States VI-IF Society board, received the John Chambers Memorial Award, the Society's highest technical honor, in 1993. Dr. Shuch has been a regular speaker at the Society's annual technical Conference for the past fifteen years.

To better serve the interests of its worldwide membership base, The SETI League routinely collaborates with like-minded educational and scientific organizations. Other official SETI League affiliates include the Radio Amateur Satellite Corporation (AMSAT), Artemis Society, Harvard Wireless Club, Explorer Post 424, and the McMaster University branch of Students for the Exploration and Development of Space (SEDS).

SETI scientists seek to determine through microwave measurements whether humankind is alone in the universe. Since Congress terminated NASA's SETI funding in 1993, The SETI League and other scientific groups have been attempting to privatize the research. Experimenters interested in participating in the search for intelligent alien life, or citizens wishing to help support it, should visit us on the Web at <<http://www.setileague.org/>>, email to: [join@setileague.org](mailto:join@setileague.org), send a fax to 1 (201) 641-1771, or contact The SETI League, Inc. membership hotline at 1 (800) TAU-SETI. Be sure to provide us with a postal address to which we will mail further information. The SETI League, Inc. is a membership-supported, non-profit [501(c)(3)], educational and scientific corporation dedicated to the electromagnetic Search for Extra-Terrestrial Intelligence.

Searching for Extra-Terrestrial Intelligence World Wide Web URL <http://Iwww.setileague.org>

ducing the number of license classes from 6 to 4, asked for comments on how to improve the Amateur Service enforcement process, and solicited possible changes to the telegraphy and written examinations. (Clarifying errata were issued about 3 weeks later).

#### SEPTEMBER 1998

■ The fee for an Amateur Vanity call sign was reduced to \$13.00, rounding off the earlier proposal of \$12.90.

■ FCC adopted an Order implementing the Universal Licensing System. The FCC affirmed their earlier proposal to permit certain foreign amateurs to operate their equipment in the U.S. by rule, and another proposal to use call sign administrators to handle club and military recreation call signs.

■ Meeting in Venezuela, Region 2 of the IARU (International Amateur Radio Union) agreed that there should be no reduction in the current minimum international requirements for an Amateur Radio License. IARU suggested that the technical and operational qualifications for such a license be an ITU "mandatory recommendation" rather than a regulation, thus supporting the proposal by some member Administrations to drop the requirement for Morse code proficiency below 30 MHz.

#### OCTOBER 1998

■ FCC Chairman Kennard said that there is a need to reorganize the FCC again along functional lines. (The FCC was last restructured in 1995). Most of the reorganization will be delayed until next year.

■ The FCC transferred the responsibility for Amateur Service enforcement from the Wireless Telecommunications Bureau to the Compliance and Information Bureau. The impact was almost immediate with several violators being cited, fined and dealt with very harshly.

#### NOVEMBER 1998

■ By the end of November nearly 2,000 of the comments on the FCC's restructuring proposals filed by amateur radio operators and organizations, had been posted to the FCC's Electronic Comments Filing System (ECFS).

#### DECEMBER 1998

■ The ARRL filed comments on restructuring which differed in some details from their initial letter proposal in July.

■ The nature of reply comments, due January 15, is anyone's guess, given the quantity and diversity of the comments themselves. And of course, it is anyone's guess as to when the analysis of these comments will lead to further action. We'll keep you informed.

We wish one and all a healthy and happy New Year!!

73 Jack

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# Morse Code Saves U.S. Navy Destroyer!

## Soviets standby to help

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***Tony Spatafore WB2FGL submitted the following article. The article appeared in Cryptolog, the Naval Cryptologic Veterans Association news bulletin and was originally written by Glen W. Pladsen and printed in the World Wireless Beacon.***

I was a Navy CTM2 ordered to the destroyer USS WILLIAM M. WOOD, (DD-715), in the summer of 1973. It was TAD (Temporary Additional Duty) from my duty station of Rota, Spain and I was the only CT on board for three months. All of my equipment on the ship was in an air-conditioned 'van' (an aluminum-skinned equipment shelter) tucked away in the old DASH hanger, and my job was to maintain the gear in working order, doing PM's and repairs when needed.

The WOOD was so crowded that some of the crew was hot-racking in the berthing spaces. I discovered there were bunks welded three-high on the front starboard side of the hanger, so I made the hanger my home. However, the DASH hanger wasn't really meant to be a living space. The only access I had into the rest of the ship was through a watertight door in the front bulkhead of the hanger across the open ASROC deck and through another watertight door into the passageway leading to the ship's radio room. During storms I rigged a line from the hanger across the open deck so I wouldn't get knocked overboard when I went below for chow!

The equipment I maintained was mostly a lot of receivers, so I usually spent my days SWLing. (short-wave listening) tuned to the ham bands, or copying various RTTY signals. The ship's Operations Officer was also a ham and one of the few people on board with a security clearance to be in the 'van'. We got on the air a few times in the ham bands using one of the ship's URC-32 HF transceivers.

The ship spent most of that summer going from one Mediterranean port to another, showing the U.S. Navy presence. I was having a heck of a good time!

The USS WOOD was an old destroyer and was always having problems of one kind or another. We were usually on 'water-hours' in the hot summer since the fresh-water evaporators could barely keep up with the needs of the ship's boilers, never mind supplying daily showers for the crew!

A time came when we were to participate in a big NATO exercise in the Eastern Mediterranean and the USS WOOD was designated as a 'bad guy'. Our mission was to shadow the NATO taskforce, hiding and pretending to be a ship from an enemy navy. When

the exercise started, all the other U.S. ships sailed off into the sunset and left us behind.

As luck would have it, at that very moment something went wrong down in the engine room and they 'salted the boilers', contaminating the fresh water with seawater. We were dead in the water in a major shipping lane and it was late afternoon. Restoring normal power to the ship was now eight or ten hours away.

This class of destroyers had two emergency generators on board, so we should have had electrical power for navigation lights and communications. However, one generator was down for critical parts (I heard it was a bearing), and the other one wouldn't start! There we were, a U.S. Navy destroyer adrift in a shipping lane with no power, lights, or radios, and no one expecting us to be anywhere soon.

Things started getting a little strange on board. With no ventilation in below-deck spaces and no jobs to do, everyone came up and started hanging around on the weather-decks. The reefers were warming up so cases and cases of ice-cream in Dixie-cups were being passed up for the crew to eat. It was a race to eat them before everything melted! The empties were tossed over the side and pretty soon a ten-foot wide belt of floating Dixie-cups, paper lids, and little wooden spoons surrounded the ship. It was quite a sight.

Well, there WAS one other vessel in the area that day. It was the ever present Soviet ship that shadowed our fleet for real. The Russian destroyer had initially sailed off with the task force, but they must have been curious about the lone tin-can staying behind because they came back to check us out. At about the same time, someone using the 20-power Big-Eyes on the flying bridge spotted a big, BIG freighter on the horizon heading our way, directly at us.

Our Signalman had some battery-powered flashing lanterns and started 'talking' in Morse to the Russians. It was a good thing that we had that language in common! The destroyer circled us a few times, saw the impending doom and went charging off directly toward the freighter, zigzagging back and forth across her path until someone on the bridge finally changed course to go past us instead of through us! The Russian tin-can stayed with us that night until we got our boilers back up.

During the cold-war years a lot of unpleasant things happened between our two navies, but I always think of that Russian destroyer crew guarding us when we were in trouble, regardless of the flags we sailed under.



# RADIALS IN THE DRAIN FIELD

By Jack Goforth K4IBP

As a "low band" DXer, I read with interest articles in CQ and QST concerning running ground radial wires from a 160 meter vertical into septic tank drain fields. Other articles have dealt with lightning protection and "common point" grounding. I have some experience in these areas and offer to share my failures and triumphs with the deserving.

After installing my 150-ft tower. (Elevated series fed for 160 meters with above ground radials) I wanted to build a four square for 80 meters using the single tower as support.

The marriage counselor my wife had been seeing suggested that now that the kids are gone and the dog has died, my wife, Rose, might be happier if I moved my Ham equipment into one of the kid's old bed rooms. He also suggested that I try to eliminate some "wires" surrounding our house, at least in the front yard. Confronted with this and trying to hold my marriage together, I agreed to place my above ground counterpoise, underground.

While I was down, (but not out) the counselor and Rose made me promise that I would also redo the bathrooms and install new fixtures. (You know how women are, they think if you do not have oval sinks and an oblong potty they are... just deprived)

My wife Rose (going for the jugular), then decided she wanted to move the bathrooms. Due to several factors I opted to install a new septic tank and drain field on the same side of the house as my tower. To clearly make everybody happy, my new drain field and ground radial move would be part of the same project. Since the electrical service entrance is found on that side, I decided to bond the tower ground to the electrical service ground. The easiest way to accomplish this was to run a copper ground strap in the open ditch, through the septic tank and out across the open drain field to the base of the tower. I also installed 120 radials with about 60 of them being partly (or totally) in the new drain field.

I can say with pride that my grounding and radial system has been very effective. My DX totals on 160 mtrs. expanded last winter by more than 20 stations. However, about April, I started to have problems.

I should have known that something was up last winter, when the plumber told me I would have to buy new "water saving environmentally friendly" toilets. He said a federal law, passed in 1994, required ALL future toilets be the new "water saving" type that limits how much water is used for the "flush cycle." The plumber said the EPA had "Potty Police" to make sure no one adds or replaces any toilet, with other than an approved type.

Before I invested in one of these "liberal privies", I started asking questions. Seems funny things have happened on the way to saving the planet. Clearly,

most of the time, the new government mandated toilets needed two to three flushes to completely clean the bowl (taking more water than before). Confronted with these statistics, the EPA simply said the data was "skewed". They said the data was not taking into account, that more than three to one, toilet "activity," involves "number one" easily cleared by one flush. Apparently, the EPA made their study at Boys Town.

(I might suggest they make an "activity" study (using the liberal toilet) with the female members of most families and then recalculate the total amount of flush water required for, "number 1".)

The EPA also failed to show the amount of additional flushes required for the almost weekly chore of unstopping the toilets due to inadequate flushing water. I was ready to start a potty rebellion but Rose was persistent. "Maybe the new liberal toilet will not be so bad."

Rose was happy with new bathrooms but everything they that told me about the new EPA toilets was true. After several times, leaving a pileup on the radio to deal with a "pile up" in the bathroom, I was about to scream.

Then, I got a great idea. I would modify the sucker and put a Pressure pump on it. The pump would pressurize the flush water and improve the downward "thrust of the flush," therefore making less water more efficient. Quick searches of army surplus catalogues found a dual reversing pump that would work using only one side. I designed the system so that the toilet operated normally. If it became clogged, we could trigger the "Booster pump" with a button. Never again would I have to leave one pileup for another... Know what I mean?

All went well with the modification but I had to install another vent pipe on the roof to the reverse side of the pump to get full pressure. After several successful test runs the project was declared finished.

Man-oh man there he was . . . the 8Q.. Maldiv Islands... long path on 40 SSB... he came back to a 4.. "QRZ 45 de 8Q7LU.. Up 7.200-210" Dang, missed him, crank up the Alpha 89 to full legal. Just then I hear a familiar voice with a familiar problem,

"Jack, the toilet's stopped up."

"Just push the pump button, Rose," I said as I called the 8Q7LU.

"Kilo 4 India Bravo Papa."

KABOOM!!! YEEEEEA!!!! ROSE. ROSE. WHAT HAPPENED? I ran to the sound of the explosion and opened the bathroom door. Rose was hunkering down next to the clothes hamper.

*Conclusion on Page 49*



## Editor's Corner

**I**t was with apprehension that I took it upon myself to grade the submissions for Al La Placa's Quiz from HELL. I worried that nobody would respond, then I worried that too many would respond. As it turned out, it was just enough.

**AND THE WINNER IS:** Arnold W. Sayre W8WVM from Buckhannon West (by gosh) Virginia. Arnold correctly answered 34 of 40 questions for a score of 85%. Running a close second was Robert J. Vasilow W2VDX from Owego NY with 33 of 40 or 82.5%. The scores ranged from the high 34 of 40 to a low of 18. The average score was 27.55 (68.8% on the Richter scale). I'm not sure it's Guinness Book of Records quality but it's a passing grade by most standards.

What I found interesting was the questions that were most frequently missed. 88 percent of the respondents didn't target 1916 as the first year QST was published. (Q36). Two sticklers stuck 77 percent of the test takers (Q6 and Q28). The Yagi antenna was invented by UDA (Q28) and the AN-ART-13 transmitter covered 1.5 to 12 MHz (Q6). Questions 22, 27 and 40 baffled 72% of the respondents. Communications Products Co., Inc. didn't market antennas in the '50s, W3DZZ developed the first tri-band Yagi and \$120 bucks was the cost of the first charter-life membership in the ARRL.



Questions 3, 14 and 31 must have been gimmies. Nobody missed these questions. The following is a list of the most frequently missed questions with the percentage. I only listed above 20%.

**36** - 88%

**6, 27 & 28** - 77%

**22, 27 & 40** - 72%

**17** - 66%

**5 & 37** - 61%

**29** - 55%

**19 & 23** - 50%

**18 & 34** - 44%

**8** - 33%

**30 & 38** - 27%

**12, 15, 33 & 39** - 22%

**The correct answers were:** 1-C, 2-E, 3-D, 4-B, 5-D, 6-E, 7-B, 8-D, 9-B, 10-D, 11-E, 12-D, 13-C, 14-D, 15-D, 16-C, 17-B, 18-D, 19-D, 20-B, 21-C, 22-E, 23-E, 24-D, 25-E, 26-E, 27-B, 28-B, 29-D, 30-C, 31-D, 32-D, 33-C, 34-B, 35-D, 36-B, 37-C, 38-B, 39-C, 40-E.

The neat thing for the Editor were the comments appended to most of the answer sheets; "Man, what a puzzle, Fun quiz - let's have more! It sure brought back a lot of memories - lots of fun, was fun and made me think, I figure I'm dumber than stupid". The humorous parts of the answer sheets were that some found it necessary to lobby for their answers with detailed calculations and answers. One argued that a transmitter only went to 18MHz although specs said 20MHz. The winner of the quiz implied that he just received his Journal "so doesn't give a lot of time". He certainly did well without a lot of time. One of the third place scores (at 77.5%) was posted by a gentleman who said he wasn't even born when most of the equipments, events and rules were current. Well - Paul, either you're pretty smart or a really good guesser.

And now, many of you will be put to the test - Quiz from Hell Part II. Grit your teeth and have at it. The same rules will apply as Part I except that the deadline for entries will be April 1, 1999.

The Spring Issue brings together another collection of good articles I hope you all enjoy. Don't miss the fine construction project written by Dave Evison W7DE. It will surely impress your grandchildren and might even come in handy if Y2K causes power outages. Read all about it on page 44. Also, get the story behind the million-dollar smile Tad Burik is sporting on the front cover. He explains it on page 8.

See you in a few months.



## Birds, birds, birds and fish.

By Gerry Wentz KC4EHT

The picture of Al Cutting's bird-coated beam (page 1, Winter issue) reminded me of a humorous happening a few years ago. I had a Labrador Retriever that lived in my fenced-in back yard and I had a neighbor who frequently cooked steaks on his grill on the weekends. He had a little gazebo affair where he would treat his guests to the wonderfully smelling steaks.

After consuming the steaks, he would frequently "hook shot" the T-bones over the fence to treat my dog Misty. I had no problem with that except I would occasionally complain that he wouldn't "jump shot" one of the intact medium rare steaks to me.

Also, it must be noted that my neighbor is an ardent fisherman and scuba diver with a giant boat. He frequently stocks my refrigerator with all sorts of salt-water fish and best of all - lobsters.

I began to notice mangled mullets around my backyard and Misty wasn't particularly enthused about eating fish. As a result, the fish matured rather rapidly in the Florida sun, attracted entire colonies of ants and produced an aroma that produced its own natural barrier of about 20 feet. When it became unbearable, I would scoop up the fish, gripping my shovel as close to the end as humanly possible. Although I felt it didn't deserve it, the fish got a decent burial.

After this went on for too long, I was becoming irritated that Tim was pitching these dang fish over in my yard. As far as I knew, most dogs don't particularly like fish. Since Tim is a rather healthy specimen of manhood who lifts weights and has biceps bigger than my calves, I wasn't enthused about confronting him about the dead fish. T-bones ok but dead fish - no.

One day while standing in my backyard, I was seriously thinking how I might diplomatically tell Tim to cease and desist with his dead fish. Suddenly a mangled dead fish landed about a foot from me and I was instantly angry. I immediately looked toward the fence by Tim's house but I knew Tim was still at work and of course, no one was there. Could it be raining fish? I looked toward the heavens. Perhaps this had some spiritual meaning. When I looked up, my 70' tower was in my gaze and perched on top of the beam was an Osprey. It soon became clear to me where the fish were coming from. I live along the Indian River and Ollie Osprey would occasionally lose his grip on his latest catch. It also explained why some of the fish were grotesquely mangled.

At least I averted a fight with Tim but now I worry that the authorities might declare my tower as a safe haven for an endangered species. In the meantime, I conduct frequent dead-fish burials.

## QCWA

### T-shirts and Golf Shirts

Wear the QCWA Logo proudly on a QCWA Golf or T-shirt, now available from headquarters. The fine quality T-shirts have a large, two-color black and gold QCWA logo imprinted on the front of the shirt while the natty two-button collared golf shirts with convenient pocket, have the two-color logo displayed on the right side of the shirt.

One can see the golf shirts emblazoned with the two-color logo in the color photograph of the new officers and Board of Directors on the cover of the Winter 1998 Journal.

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Individual shirts are shipped postpaid. If you order 2 or 3 shirts (going to same address), deduct \$3 or \$6 respectively from the order. For orders greater than 3 to the same address (such as Chapters) contact headquarters for the pricing.

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# CQ DX



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

## Propagation

Conditions have been really interesting over the past few months. We have seen period of utterly glorious propagation on the high bands, suddenly interrupted by a geomagnetic disturbance which brings instant quiet to every HF receiver in the world.

From my vantage point on the "Left Coast" of the United States, ten meters has produced reliable openings throughout much of Africa, with Western Europe also being regularly worked. I haven't worked any SP stations on 10 yet, though, and until I get a bunch of SPs in my log, I won't feel like 10 is really "good" like we all remember.

As we move through the winter months and into spring, it's important to watch the Long Path for activity on 15, 12, and 10 meters. The many beacon stations on 10 meters can provide useful information; among the best are the NCDXF's world-wide beacons on 28200.0 MHz. In any event, watch to the Southwest in the evening (in the Northern Hemisphere) for Long Path propagation to exotic areas of the world.

## Antenna Patterns for Working DX

It's interesting to listen to computer-literate DXers discussing antennas. Frequently, the subject will turn to the computer modeling of antennas, and the sparks start to fly. These folks will spend hour after hour trying to squeeze the last tenth of a dB of gain out of the computer, then take the design to the DX club meeting for the purpose of starting an argument with other club members. Of course, there is a benefit to other DXers: while these folks are pounding on a computer, they're not in a pile-up, so the rare DX can be easier for the rest of us to work as a result!

Being guilty of crunching numbers myself from time to time, though, I shall end my indictment of computer-based antenna design work there, and turn to a fundamental issue: what are we shooting for in our antenna designs?

VHF operators, especially those working moonbounce and other esoteric communication modes, want a clean pattern but lots of forward gain, too. This means that the "nose" of the antenna (the forward lobe) will be very sharp. While this may be excellent for warming the face of the Man in the Moon, it isn't great for calling "CQ DX" on 20 meters. For HF DX and contest work, we really would like to illuminate the *widest* possible forward area, then suppress the unwanted directions to the best extent possible.

In order to achieve these objectives, we must abandon two-dimensional thinking, and start looking at the total *sphere* of our radiated pattern.

Antenna optimization software (like K6STI's *Yagi Optimizer*) will frequently allow you to optimize performance from a number of viewpoints. You can model the antenna over ground, or in "free space" (very useful if you're an astronaut, not always as informative if you're using a tower!). You can select the range of angles to be suppressed. And you can optimize performance in the "E-Plane" (horizontal plane) or the "H-Plane" (vertical angles). In doing all this, you can tell the computer how high your antenna must be (because you may have no choice as to the height), or experiment with different heights in order to optimize the main lobe(s) from your antenna at particular takeoff angles of interest.

The H-Plane pattern is particularly important, as the antenna system should not be too "pointy" in the elevation plane. As propagation changes during the day, a path to Europe might change from, say, very-low-angle double-hop to a higher-angle triple- or quadruple-hop path. When this happens, the operators with beams at 35 feet will often be as loud (or louder!) as those with beams at 200 feet!

For DX work, it has been shown by many studies that solid coverage of the range of 3 to 15 degrees is needed for 14 MHz and higher, and higher angles are needed on 1.8 through 10 MHz. So when using that software, you need to spend some time looking at the height above ground of the antenna, to ensure (1) that the desired range of vertical angles is being covered, and (2) when an "optimum" height is found, that other aspects of the beam's pattern are not degraded. In the latter case, the front-to-rear ratio often needs some "tweaking" to ensure best suppression of back lobes.

One way to broaden the vertical angle is to stack two (or more) beams, one over the other, and phase them appropriately. For approximately the same boom lengths, I would much rather have two stacked 4-element Yagis than a single 7-element Yagi. The peak gain of the stack is going to be slightly greater than that of the single beam, the azimuth coverage is greater (meaning more "spray" of my signal), and more flexibility is provided for coverage of a wide range of vertical angles (high-angle radiation can be achieved by driving the two beams 180° out of phase, instead of in-phase). The stack will have less fading, and will be more consistent throughout a day of operating, as the arrival angle of incoming signals changes.

Let me close this discussion by providing an example from personal experience. In 1993, I traveled to Puerto Rico to operate NP4A in the ARRL CW November Sweepstakes (Low-

Power Category). I determined that I did not want to get tired building Yagis in the hot Caribbean sun, so I took down some wires for 40 and 80, plus an omni-directional AEA Isoloo™ for 20 through 10. My chief competition was a very fine operator, N6OP, operating with long-boom monobanders from the Virgin Islands. In planning for the contest, I reasoned that N6OP/KP2 would be about 12 dB louder than I was in the favored direction of his Yagis. But I also knew that the front-to-side ratio of his beams meant that, when he aimed his beams at W3, I would actually be *louder* on the West Coast than he would be.

Moreover, in W3 he might be S9+30 dB, meaning I would be “only” S9+18 dB. . .loud enough! On the West Coast, I might be S9, but he might be only S4. . .maybe *not* loud enough. As it turned out, we fought to a draw in the Eastern USA, I took the Western USA, and ended up beating him by about 100 QSOs! With some wire and a round strip of metal about three feet in diameter!

So take some care when designing your next antenna system. . .you’ll be better served if you look at the total pattern, not just the “free space” forward gain!

### Unusual DX Propagation Paths

Have you ever sat down and made a list of the peculiar propagation paths which help you work exotic DX. It can be a very helpful experience, and I thought I’d take a moment to share my favorite odd paths with you. These are based on experience from the West Coast of North America.

#### Band(s) Path Destination, Time, and Direction

|              |                                                           |
|--------------|-----------------------------------------------------------|
| 21/28 MHz    | Northern Europe over North Pole, 2100 UTC                 |
| 21 MHz       | Long Path to Western Europe, beaming Southwest, 1600 UTC  |
| 21/28 MHz    | Long Path to Africa/ Indian Ocean, to Southwest, 0500 UTC |
| 14/21 MHz    | Long Path to Southeast Asia, to East-Southeast, 2300 UTC  |
| 21 MHz       | Short Path to Asia in Summer, beaming 300°, 1600 UTC      |
| 21 MHz       | Short Path to Eastern Europe over North Pole, 0400 UTC    |
| 21 MHz       | Long Path to VK/ZL, beaming 40°, 1600 UTC                 |
| 21/28/50 MHz | Short Path to Asia in Summer, beaming 300°, 0700 UTC      |
| 14 MHz       | Short Path to Africa, 0600 UTC (Long Path also available) |
| 7 MHz        | Short Path to Baltics over Pole in deep Winter, 1400 UTC  |
| 3.5/7 MHz    | Long Path to VU/4S7, to Southeast, 0100 UTC               |
| 3.5/7 MHz    | Long Path to Deep Asia, Beaming South-Southeast, 0100 UTC |
| 3.5 MHz      | Short Path to Eastern Europe, 10                          |

|             |                                                                |
|-------------|----------------------------------------------------------------|
| minutes at  | my sunset                                                      |
| 144/432 MHz | Tropospheric Ducting to KH6, 1st Two Weeks of July, Temp. 90°+ |
| 50 MHz      | Double-Hop Sporadic E, ending 15 min. before June QSO Party    |

What are *your* favorite “neat” paths?

### More “Ultimate DX”

On October 2nd, I was fortunate enough to make a 2-meter CW EME (moonbounce) contact with W5UN, using a completely “barefoot” FT-847 transceiver and a single tripod-mounted 10-element K5GW Yagi (17-foot boom). No external power amp nor receive preamp was used. . .just the rig connected to about 75 feet of LMR-400 coax. Power delivered to the antenna was only about 38 Watts! So if you have 150 Watts and a pair of 2-meter beams, why don’t you try EME sometime?

### TVI? What TVI?

If you’re having trouble with TVI, but your signal is clean while using a dummy load, don’t overlook the possibility that you have current flowing on the shield of your coaxial cable!

Common-mode current like this can often be cured by making a 6 to 10 turn coil of coax, about 6” in diameter, and inserting it in the coaxial line near the antenna. Maybe try another one by your rig. These coils act as RF chokes, shutting down the current flow which is being radiated throughout your neighborhood.

Another trick is to ground the shields of your coaxial cables right where they enter your house. You can build a plate and mount it to a ground rod right outside your house, then drill holes to allow bulkhead double-female coaxial connectors to be mounted to the plate. This grounding will often “cleanse” the shield of the coax of unwanted currents, reducing or eliminating certain troublesome TVI situations. This is especially effective on the higher bands, including 6 meters.

### A Personal Request

I am doing some research on “unusual” antennas, and would appreciate some help from readers of *The QCWA Journal*. Does anybody out there have access to (or knowledge regarding) **declassified** design/concept information for the VLF trailing-wire antennas used by submarines? If so, could you drop me an e-mail to <k7ja@dxer.com> or send a postcard to my Callbook address? I shall be happy to pay for copying and postage costs. Thanks! I hope to report my findings in a future article here in the *Journal*.

73 for now. . .

Chip Margelli, K7JA



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

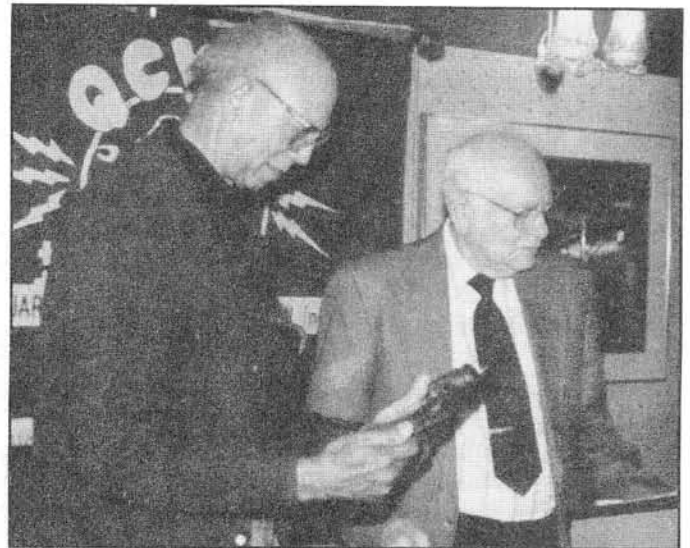
#### CHAPTER 1, CLEVELAND

Chapter 1's final meeting of the year was held on Saturday October 17 at Dimitri's Restaurant. The last quarterly meeting of the year is devoted to recognition of those members who have earned various awards presented by the Chapter and the National. This year, six honorees were presented with plaques and framed certificates. Honorees presented plaques were: Bernie Hinrichsen, W2NTB, Past President's Award; Fred Collins, W8ADW, was presented a belated Past President's Award; James Pracker, K8QOT, the Presidential Award; Paul Poling, N8CKG, Ham of the Year. Framed certificates were presented to Rocky Zimmerman, W8UYN, 60-year and a Century award and Charles Jackson W8QXF, a Century Award.



*Left to right: President Benbie Hinrichsen W2NTB and Rocky Zimmerman W8UYN.*

The Chapter's memorial station W8LYD 2-meter repeater is now up and running. Tuning and final adjustment is about to begin which will bring the transmitter up to full output. The W8LYD repeater is an open repeater operating at 146.67/07 MHz and is available to all amateurs. The plan to move the Wednesday night Net to the new repeater will not be put into operation for a while. The change will be made when final adjustment and full power is accomplished. The weekly Net can be found currently at 146.88/28 MHz on Wednesday evenings at 8:00 PM local time. All Amateurs are welcome to check in!



*Left to right: Fred Collins W8ADW and Jack Goldfarb W8WGO at the chapter meeting.*

Vince Fabbriao, WB8NWQ, Cleveland Chapter 1 member residing in Cincinnati, OH has established a QCWA Chat Room on the World Wide Web. It's a great place to meet fellow QCWA members and other Hams. Here are Vince's words concerning this venture:

"I have created a room on my web page called Q.C.W.A. & HAM CHAT ROOM. We hold a nightly get together at 8:00 PM EST. In order to be able to converse in the room, all you need is a mike, a sound card, Windows 95 or greater, and a plugin. The program titled "Surf.exe" can be downloaded from my web page.

Go to <http://wb8nwq4.access.one.net> and once there, go near the bottom of the Page and click on the Download 'Surf.exe' button. Once you download the



**DEADLINE**  
for Chapter Reports  
**April 1, 1999**



plugin, you run it once, and you are ready to go. You then go to: [www.qsl.net/w8lyd](http://www.qsl.net/w8lyd) and click on the 'Link' called QCWA World Wide Chat Room. This will place you directly in the Chat Room. A Dialer should appear on the lower left corner of the conference room. You should also see Push to Talk on the lower right side of the conference room. Right click on either of the two buttons and a setup menu will appear. Set your options per instructions given in the setup menu window. Once you have your options set, click OK and you will go back to the Chat window. You click on the dialer (Call) icon, and you will appear in the chat room." Anyone with Internet capability is invited to use the chat page and the more the merrier and we will be looking for you!

January 1999 brings a new face to Chapter #1's Executive Board. George Mistic, KE8RN has been elected to the Presidency and will assume his new duties on the 1st. George is a well-known amateur in the Cleveland area. He is an avid collector and restorer of antique radios and classic automobiles, and attends numerous hamfests and car shows, ever in the hunt for the next gem. We in the Chapter look forward to working with the new President as he leads us into the new Millennium. Welcome aboard George! Chapter President Bernie Hinrichsen, W2NTB has decided to step-down after four-plus years in this position. His service and leadership are most appreciated and Bernie is always pleasant to work with. We will miss his steady hand on the helm. Bernie will remain a part of the Executive Board and will undertake new responsibilities in the Chapter.

**Paul Poling N8CKG - Secretary**

#### **Chapter 2, Chicago Area**

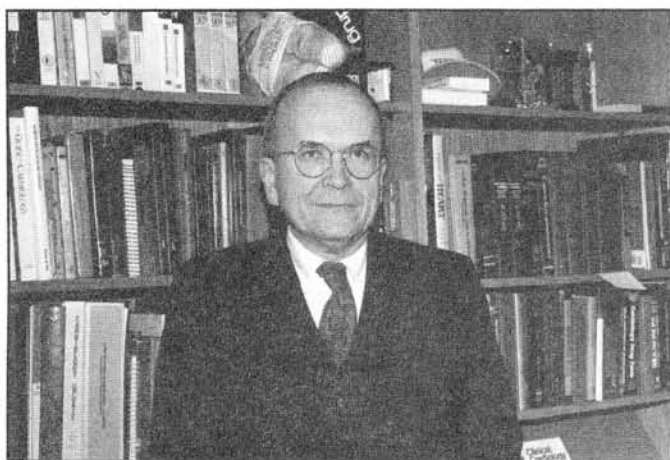
Chicago Chapter 2 held its third quarterly meeting on Tuesday, October 27, 1998. The meeting was held at Colletti's Restaurant on the northwest side of Chicago. A period of attitude adjustment was allowed to expel the problems of the day. Dinner was served and enjoyed by all. 24 members participated.

The members have a keen interest in information on how to be heart healthy and the latest tests to determine if we are at risk for a stroke or heart attack as well as all the many different treatment/surgical procedures employed. Just today, there is an article about Optison, an ultrasound contrast agent recently approved for general use by the Food and Drug Administration.

And, what about those Heartcheck tests and "studies" in which we are invited to participate with offered "free medical care" for research. Are they legitimate? Or are they just a marketing program? How do we decide if any of them are right for us?

These and other new developments in heart matters were discussed by one of the most eminent cardiologists in the country. The speaker was Dr. Rimgaudas Nemickas, the head cardiologist at Illinois Masonic Medical Center.

Dr. Nemickas is well qualified to discuss the heart. He achieved Board Certification in 16 medical services,



**Dr. Rimgaudas Nemickas, the head cardiologist at Illinois Masonic Medical Center.**

is a member of 12 medical societies, and served on 25 medical committees. He has authored or co-authored 19 publications.

Chapter 2 had a table at the Lake County Hamfest and signed up 3 new members. We'll also have a table at the Wheaton Hamfest on January 24th, 1999 and sign up new QCWA members as well.

Chapter 2 'on the air meeting' continues with the 'first Thursday of each Month' net to bring the chapter members the latest news of the chapter and amateur radio.

The next quarterly meeting and the first of 1999 will be on January 27, 1999. The second quarterly meeting will be on April 27, 1999. All at our usual location.

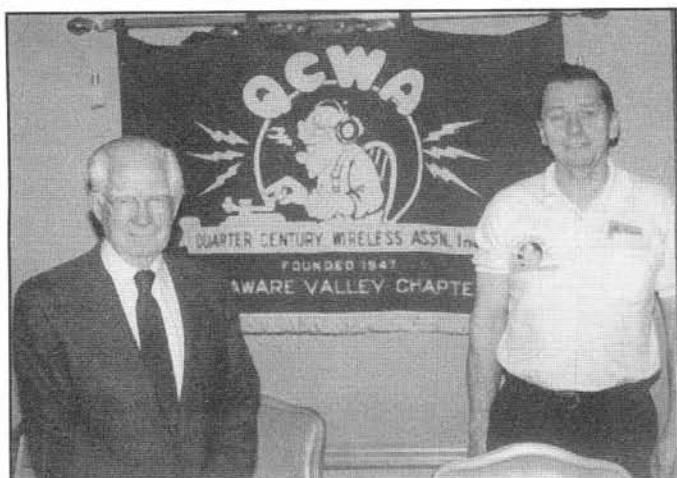
**Gil Kowols W9BUB - Secretary**

#### **Chapter 5, Delaware Valley**

The Delaware Chapter 5 held a meeting on December 12, 1998 at the Town and Country Restaurant in Bordentown, NJ. The meeting was called to order by Chairman George VanDyke, W3HK, at 12:00 noon and George gave the invocation and welcomed everyone to the meeting. While the orders were being taken by the waitresses, the minutes of the September 19th meeting were read by the secretary and approved. The Treasurer, Mary Foral, W3QGC, gave his report and the report was accepted by the members. Since this month of December was election time, an election was held and the officers for the next two years are; Florence Power, WA2WYE as Chairperson, John Michel, K2JM, Vice Chairman, Don Field, W2UAE as Secretary, and Mary Foral, W3QGC as Treasurer.

The speaker for the meeting was Marv Foral, W3QGC, and Marv talked about his travels in Russia during the Cold War. Being an employee of the Navy at the time, and his work involved design work on the latest Navy airborne radar, he talked about a scary experience while in Russia in that it appeared that he was being setup by Russian undercover agents to be arrested before he left Russia. Fortunately, Marv did not bite on the bait and returned home safely. He also

## Chapter Reports



*L to r: Marv Foral W3QGC, Treasurer of the chapter and speaker for the meeting with Bob Buus W2OD, QCWA Director at the December 12th meeting.*

spoke about his travels to China and an experience with a young Chinese person that continued after returning to the United States. He also spoke about his conversation with a hard core Russian communist while visiting France. Marv is a good speaker and his experiences were enjoyed by all.

Present at the meeting were Bob Buus, W2OD, a National Director, and Joe Strockbine, W2KCO, Vice-Chairman of Chapter 138. There were 43 present at the meeting.

Chapter 5 has a net on 3917 kHz at 9:45 am on Sunday mornings. W2EEQ, Russ Snedeker is net control and all are welcome to join the net. Also Chapter 5 has a home page that all are welcome to check it out. The address is <http://www.resuba.com/qcwa5>.

### Chapter 6, Pittsburgh

The scheduled November 1st meeting was called to order by Chairman Jack Parsons, K3OTY. A pleasant gathering of 28 members, visitors and guests were in attendance. QCWA Century certificates were presented to the eligible candidates. Mel Vye, W8VY, gave an excellent slide show and personal description of



*W3SVJ presents the QCWA CENTURY award to Joe Ferenc, W3TVB (right).*

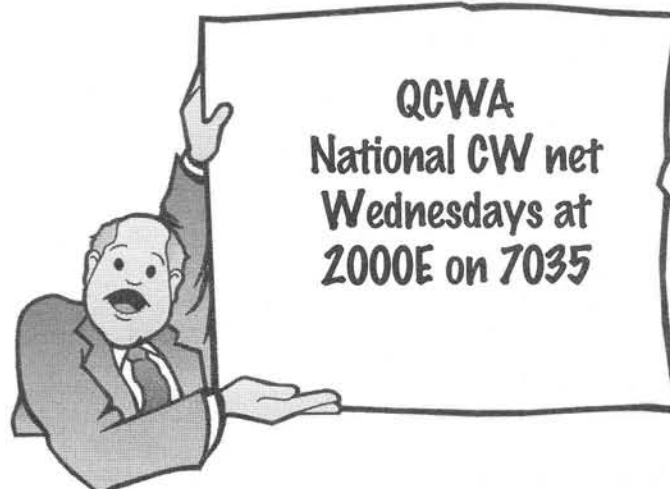
operating BY2QLY. The trials and tribulations that he went through, political as well as technical, to finally get the station on the air make one wonder if it was worth it, it was.

The first luncheon meeting of 1999 will be on April 18th. The Chapter meets "on the air" every Sunday morning at 0830 local time on the Steel City ARC repeater, 147.63/03, with tone access of 123.0. All are welcome.



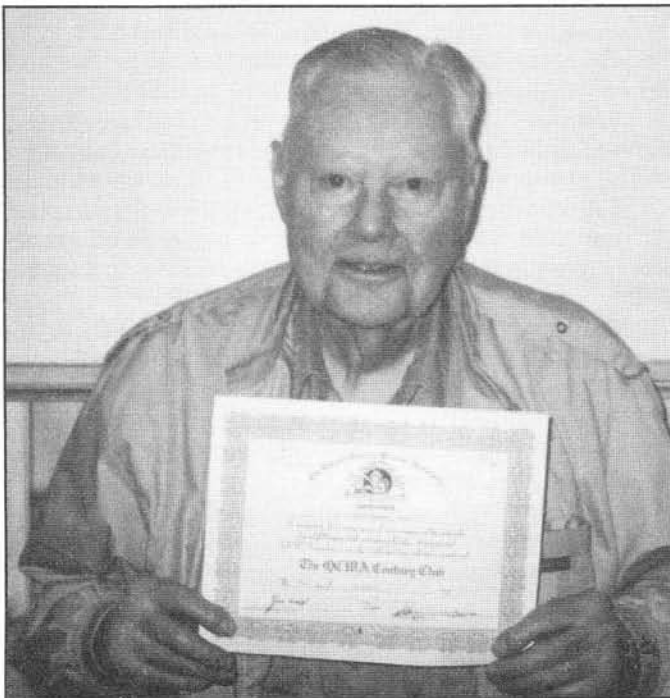
*Art Kunst, W3WM (center) and Bud Hunter, (right) W3JAV, receive their QCWA CENTURY certificates.*

THE JOURNAL IS AVAILABLE FREE TO  
BLIND PAID-UP MEMBERS ON AUDIO  
CASSETTE TAPE. FOR MORE  
INFORMATION, CONTACT  
TOM CARTEN, KIPZU  
([tfcarten@leo.kings.edu](mailto:tfcarten@leo.kings.edu)) or  
BLANCHE RANGLES, W4GXZ (MAY 1-  
OCT. 1) 44 Western LN., Amherst, MA  
01002 PH: (413) 256-0179; and (OCT.  
1-MAY 1) 6002 N. Fremont, Tampa,  
FL 33604  
PH: (813) 870-0867.





**Jack Parsons, K3OTY with guest speaker Mel Vye, W8VY (BY2QLY) and XYL Martha.**



**George Montgomery W3KVS, QCWA CENTURY certificate recipient. Photos by W3UUH & W3SVJ.**

For information regarding chapter 6 meetings, membership etc., please contact: Nate, W3SVJ: 412421 4658 or w3svj-juno.com

**Nathan Firestone W3SVJ**

## Chapter 18, Findlay Area

The Findlay Area QCWA Chapter met on Saturday, December 12, 1998 at 9:00 am. at the Woodland Restaurant, 317 South Main St, Findlay, OH 45840.

Those present included Jimmy Sorrells WA9ABB, Floyd Fisk W8LYB, Duke Curry W8AFR, Bill Kelsey (Secretary/Treasurer) N8ET., Dick Corbin W8IYC, Ken Coleman KCOL, Dean Scarbrough KS8S, Dick Davies (VP) K8IVP, Joe Brown WB8MSJ, George Flinchbaugh WA8HDX, Paul Chapin W8KTI (and XYL Pauline) and

Jay Edel (President) WN8HHJ. First-time visitors included KCØL and KS8S.

Paul Chapin, W8KII, shared QSL Cards that were postmarked back in the 1920's and 30's. The cards were from the estate of silent key Frank Trauch, 8DCR. Paul pointed out that many of the cards didn't include the name of the operator, only the call and address. It was interesting to note the antennas and equipment used.

Dick Davies K8IVP suggested that Chapter 18 purchase a QCWA banner. Discussion followed and each member was assessed \$5 for the purchase of the banner. (The banner was ordered on December 22, 1998 and will be on display at the next meeting in March).

Other topics discussed during the meeting included a local QCWA net, vanity call signs (lead by Ken KCOL), the next meeting (set for March 13 at 9:00 am. at the Woodland Restaurant) and member recruitment. President Edel, WN8HHJ, encouraged everyone to bring a friend to the March 13 meeting. Door prizes were awarded to KCØL and N8ET.

**Jay E. Edel WN8HHJ - President**

## Chapter 19, St. Louis MO

Chapter 19 is busy getting ready to host the 1999 QCWA Convention in St. Louis. Roger Volk KØGOV is the contact person for information and registration forms. At the November 14th meeting Roger Volk, KØGOV received an award from Lew Gorden, W4VX, Director mid West District of ARRL for his six years of dedicated and outstanding service as ARRL Section Manager for the State of Missouri.



**Left to right: Roger Volk, KØGOV received an award from Lew Gorden, W4VX, Director mid West District of ARRL for his six years of dedicated and outstanding service as ARRL Section Manager for the State of Missouri. Photo by O.H. Miller WØKNO.**

Herb Russell, WAØYFB presented an interesting talk about his around the world trip. During the many months he was on his trip. He sent many post cards



## Chapter Reports

and kept in touch by email.

Chapter 19 meets on the second Saturday of each month at Rich and Charlie's, 9942 Watson Rd. St. Louis and all QCWA members especially those who are visiting in St. Louis and others are welcome.

For membership application or information contact the Secretary. Mike Hoshiko, W9CJW 7754 El Pine Est Edwardsville, IL 62025 or call (314) 656-4792

**Mike Hoshiko , W9CJW Secretary**

### Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Canton, Ohio Chapter 21 was held November 21, 1998, following luncheon at Das Dutch Kitchen, Dalton, Ohio. There were 32 members and guests present.

The very important business of this annual meeting is the election of officers and directors. The election results are: President, Philip Gizzi W8IIV; Vice President, Nelson Caley W8EAR; Secretary-Treasurer David Glass W8UKQ; Directors, Mel Vye W8MV, and David Polen W8FRB; Editor, Joseph Vignos W1FEZ; and Honorary Director, Edwin Clinger WA8DRT, past president.



*Left to right: President Edwin Clinger WA8DRT passes the gavel to president-elect Philip Gizzi W8IIV.*



*Newly elected officers left to right: Mel Vye W8MV - Director, David Polen W8FRB - Director, David Glass W8UKG - Secretary/Treasurer, Nelson Caley W8EAR - Vice President and Philip Gizzi W8IIV - President*

President Ed Clinger presented the president's gavel to president-elect Philip Gizzi, and golden spike awards to Nelson Caley and Joe Vignos for their dedication to the chapter. Also, he presented the Meritorious Award certificate to David Glass for his work as secretary.

Mel Vye W8MV presented the program showing how he packs and transports a complete high frequency amateur station in a carry-on bag. He has taken the station to Europe and to St. Pierre. He discussed his reciprocal licensing and DX experiences.

Door prizes were awarded.

**David Glass W8UKQ - Secretary**

### Chapter 30, West Virginia

On October 3, 1998 we mailed a letter to all known QCWA members to attend a special meeting of the membership of chapter 30 to be held at the Western Steer Steak House, Flatwoods, WV on October 17th beginning at 1200 Noon. (This site near the Center of West Virginia as far as driving time is concerned.

We were greatly surprised when 18 individuals arrived ahead of time to attend this meeting. Included in the group were 16 active hams most of whom were QOWA members or had let their membership expire. At this time we are attempting to get expired members reinstated and also attempt to recruit new members

Our next meeting is scheduled for May 22, 1999. Several hams have become members of the QCWA in the mean time.

At the October meeting we asked all in attendance to come up with ideas and suggestions for future operation of the Chapter.

The meeting was very successful for all in attendance and most indicate they will return in the spring.

**Calvin R. Basham W8NR - Secretary/Treasurer**

### Chapter 35, Kansas City

QCWA Fellowship has been very good in KC. . So good in fact that we have expanded our weekly infor-



*Having a great time at the Kansas City meetings are left to right: Lee Bergen W0AR, Cornie Miller K0AAA and Wilber Goll W0DEL.*

mal meetings to two locations. On Monday we meet at 1 PM at ARBY'S at 83rd and Mission, and on Thursday we meet at 1 PM at WADES at 103rd and State line. Attendance varies between a dozen members to a high of 28 people. Ham guests are encouraged to visit in the hope of future new QCWA members.

Three visitors that have an unusually good attendance are WØAR Lee Bergen, KØAAA Cornie Miller and WØDEL Wilber Goll.

YLs and XYLs are also encouraged to join the group. The conversation includes old memories, and usually an update on new WEB sites and who's traveling where. Wilbur WØDEL says "bring your technical questions to the table and we'll give our best opinion

If you miss lunch – catch up on the news by listening to the Thursday night QCWA net on 146.97 at 2030 hours.

## Cass Cassing WØGJG - Publicity

### Chapter 45, Citrus

We deeply regret to announce the loss of two members of Citrus Chapter. Bruce D. Wyman, K4OP became a Silent Key on August 23rd, 1998, and Lee Aurick, W1SE became a Silent Key on October 15th, 1998. Bruce was born in Rochester, NY May 26th, 1918. He was an electronic engineer and Navy veteran. The records of QCWA do not list the date Bruce joined QCWA or his first call, but he was a Life Member. He joined the Citrus Chapter in 1992 and we presented him with his 60-year certificate in February of 1996 and the Century Club certificate in May of 1997. Bruce and his XYL moved to Florida in 1962.

Lee (Leland) Aurick, W1SE became a Silent Key on October 15th, 1998 after a short stay in the hospital. Lee was born in New York, NY August 14th, 1922 and retired to Florida in 1987 to live in Winter Springs. He was first licensed as W2QEX in 1946. Citrus Chapter was proud to present with his 50-year certificate in February 1996. His career had a dominant theme of radio. He first joined the ARRL Staff in 1954 and served as Assistant Secretary until 1957 when he went to work with the RCA Advertising and Promotion Group. In 1977 Lee rejoined the ARRL and served as advertising manager for QST and other League publications until his retirement.

Lee was a graduate of the Newark College of Engineering, served in WWII as a radio operator and had a keen interest in the history of the events leading up to WWII. The members of Citrus Chapter remember the numerous antennas Lee brought to show at Chapter meetings. He had a special interest in the development of miniaturized versions of the popular 2-meter antennas and had articles published in several of the Amateur Radio publications. Citrus Chapter will miss Lee and his commentaries on many of the current events that affect the well-being of Amateur radio.

At our annual meeting in December, Citrus Chapter elected Robert Cumming, W2BZY to serve as President, and Mort Cohen, WA2ARS to serve as Treasurer

for the next two years. Frederick Ritter, K4OP was elected to serve one year as vice-president.

Citrus Chapter is still looking for a good meeting place. We have been meeting at a Golden Corral and while the food is good and they welcome us, the setup is not the best for conducting business. The meeting area is closed off by movable walls that do not go to the ceiling. The general noise of the restaurant makes it almost impossible to conduct a meeting and impossible to present a program. So we are looking again.

If any Ham is in the area and would like to join us at one of our meetings, the Chapter repeater net is Tuesday evening at 1930 hours local. Frequency is 147.195 MHz. We would welcome your joining us.

**Paul A. Turner W1DLP - Secretary**

### Chapter 48, Treasure Coast

A business meeting of the Treasure Coast Chapter 48 was held at Hodges Restaurant, 100 South US 1, Vero Beach Fl on Thursday Dec. 3 1998. The meeting was presided over by Jack Novotny K3CEW. New officers were elected, Joyce Anderson K4EER, President, Bud Greenlees, K4BHW, Vice President, and Woody Anderson K4EBK, Secretary/Treasurer. Plans for future activities were discussed, with emphasis on a dinner get together in late January or Early February.



*Left to right: Bud Greenlees K4BHW, VP of the chapter, Joyce Anderson K4EER, President and Woody Anderson K4EBK, Secretary/Treasurer of the chapter.*

We could almost lay claim to having a weekly meeting. 30-40 hams attend the Thursday luncheons at Hodges in the winter and 20-25 hams in the summer.

Many thanks to outgoing President Jack Novotny, K3CEW, Vice President Bud Greenlees, K4BHW, and Secretary/Treasurer Bill Wrocklage, KIIE.

Anyone interested in our Chapter please contact, Woody K4EBK, at ph 561 388-0255 or E-Mail k4ebk@juno.com, or k4ebk@aol.com

## Chapter Reports

### Chapter 49, Peach State

Our Fall meeting was held on September 21 at Picadilly Cafeteria on North Druid Hills Road. President Frankie Womack, W4BJT, called the meeting to order at 1PM and welcomed all. Present were 11 members, 4 "Friends", 2 spouses and a potential new member W5RQR, Bill Stewman. Special welcomes were made to first time attending new member Bill Turrentine, WA4GAI, and Estelle Wyzga, XYL of our late member Mike Wyzga, K4OBD.

Also in attendance was Mary Whatley, WB4ALU, XYL of recent silent key Jud, W4NZJ. Jud was Chapter 49's most active member, held every chapter office over the years and had most recently run for National Director. There were articles about Jud in the Fall QCWA Journal, World Radio and QST. Mary plans to stay active with our group and will join QCWA on her own right in only a couple of more years. Mike Swiderski K4HBI, brought copies for all of us of the 'Garzette' newsletter from the local Gwinett Amateur Radio Society containing several articles about Jud. President Frankie Womack reported that the GARS members made a substantial donation to the QCWA Scholarship Fund in Jud's memory. Thank you to the GARS members from Chapter 49 and QCWA. Jud was an outstanding person and dedicated radio amateur. Amateur Radio, QCWA and Chapter 49 will miss him greatly.

John Hill won the door prize drawing for "Hints and Kinks" from ARRL. W4DQT reported good participation on both nets. KT4XF reported that Sci-Trek activities are going well with antenna installation underway and called for more volunteers to man the ham station at Sci-Trek. Votes were taken and passed to create a Chaplains position for the chapter and for local lifetime dues. Bill Turrentine, WA4GAI was appointed Chaplain. Lifetime dues for chapter 49 will be \$60 for now with the stipulation that one must also be a national lifetime member.

VP John Hill introduced our program speaker, member Mike Branca, W3IRZ, who is also president of the Conyers (GA) Amateur Radio Group. Mike made a very interesting presentation titled "Before there was SWR....", demonstrating an early 50's typical homebrew/surplus station and how the transmitter and antenna tuner were adjusted without knowledge of SWR. Mike also demonstrated how frequency measurements were made using absorption wavemeters. Our thanks to Mike for the fine nostalgic program.

Our annual Christmas meeting was held on Saturday, December 5, 1998. Our new chaplain, Bill Turrentine, said Grace for the meal. The meeting was called to order by president Frankie Womack with 10 members, 4 spouses, 7 "friends" and one guest in attendance. Thanks to Mary Whatley for changing the wording on our Chapter 49 banner from "Atlanta" to "Peach State" after our official name change. A "Certificate of Appreciation" was presented to Mary by President Frankie for all the many things she has done in support of Chapter 49.

Mike Swiderski, K4HBI was elected to fill the remaining term for VP after the resignation of John Hill. Wayne Flickinger, W9BKJ was elected to fill the open directors position. Thanks and congratulations to both for filling these important positions.

The women's door prize drawing was won by "Friend" Susan Swiderski, AF4FO and the men's prize by "Friend" Lawson Leake, AE4GQ. The door prizes were provided by Estelle Wyzga and Mary Whatley. Thanks to both. The traditional members gift swap was held with Joan Cushing (XYL of K4VN) in her usual role as Mrs. Santa. Thanks Joan. A good time was had by all.

Welcome to our new National and Chapter 49 members who joined at the Stone Mtn Hamfest where chapter members manned a QCWA hospitality booth: David Meadows, K4LDI, Marietta; John Smith, K3GO, Roswell; Jim Altman, W4UCK, Atlanta (Jim was N4UCK and recent GA ARRL SM); Elliott Kanter, W4PGI, Smyrna; and Charles Albert, K4AWC, Smyrna. We also welcome a new "Friend", Jeffrey Bosnak, KF4KSZ, grandson of Wayne, W9BKJ.

Special Congratulations to our new VP Mike Swiderski, K4HBI and his wife Susan, AF4FO on being recognized jointly as "Hams of the Year" by their home club, the Gwinett Amateur Radio Society (GARS), the largest amateur organization in the Atlanta area. Mike and Susan are very active both in GARS, Chapter 49, other Atlanta area clubs and on the air: HF DXing, AM on 3885, VHF SSB and FM Nets and SSTV. Well deserved and Chapter 49 is proud to have them.

**Bob Lear, K4SZ - Sec/Treas k4sz@stc.net**

### Chapter 58, Colorado

It was a pleasure to see so many of our members at the fall banquet, held December 13th at the New York Deli News restaurant. Twenty eight chapter members and guests gathered for a fine meal, plenty of discussion, and an excellent presentation from Tom Quinlan WØGLG about his mini-DXpedition to



*Left to right: Lou Philippi WØQKR, guest speaker Tom Quinlan WØGLG, ARRL Rocky Mountain Div. Director Walt Stinson WØCP and Jim Blecha W9KRE.*



Inishmaan Island (EU-006) off the coast of Ireland. Over the course of 14 days Tom made almost 3700 QSO's! Our thanks go to Tom for his efforts in making the presentation and his wife Glenys for providing great support during the island operation. You can read more about this trip on pages 12 and 13 of December 1998 World Radio.

Another pleasant surprise was the attendance of chapter member Walt Stinson WØCP. Walt is the ARRL Rocky Mountain Division Director elect. We wish Walt the best of luck in his new duties. Chapter members are encouraged to contact him with any issues that he might bring before the ARRL. Our dinner ended a little pressed for time, or we would have received a real-time update from Walt. At future dinners we will certainly try to build in some time for his comments.

Look for the Chapter 58 table at upcoming hamfests in the Denver area this year. The board will be making an effort to have QCWA represented at these functions. First one on the agenda will be the Aurora Repeater Association hamfest February 14th, 1999. Members that have only one or two items to sell are welcome to share the table.

All Colorado Chapter 58 members are encouraged to check into the two chapter weekly nets. The I-IF net meets Sunday mornings at 9:00am local time on 3.905 MHz. Immediately following is the combined Castle Rock Repeater Group and QCWA net on the 146.07/67 MHz repeater at 9:30 local time.

**Skip Withrow WBØBBE - Secretary/Treasurer**

## Chapter 62, Suwannee

The Suwannee Chapter concluded a successful year under the leadership of President Bud Wilson, KB3NR. At our December meeting we recognized the outgoing officers, incoming officers and special member Daisy Coleman, W4QAV. The program concluded by singing Christmas songs directed by Bob Saulpaugh, AG3S, and accompanied by Pres. Bud, KB3NR, on the harmonica.



**1998 Outgoing Officers: (1 to r) Curt Byrd, W8XV, Director; Hal Maider, K2HWW, Secretary; Daisy Coleman, W4QAV, Treasurer; Tom McDonald, W1MRJ, VP; Bud Wilson, KB3NR, President; and Rollo Medler, W4ANN, Director.**

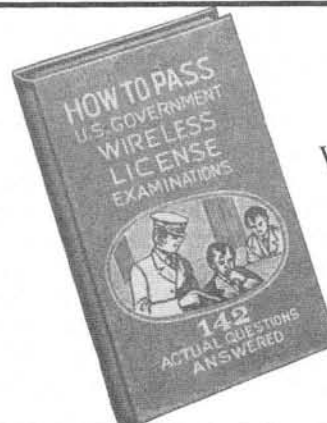


**1999 Incoming Officers: (l to r) Curt Byrd, W8XV, Director; Carl Puglisi, WA2LXG, VP; Daisy Coleman, W4QAV, Director; Hal Maider, K2HWW, Secretary; Ken Simpson, W8EK, President; and Jim McKeever, WD4DPA, Treasurer.**



*Daisy Coleman, W4QAV(r), was presented a Certificate of Appreciation by Hal Maider, K2HWW for the many years of service to Suwannee Chapter # 6 since 1972. Her husband, Carl, K4WJ, (SK), one of the founders, was President for three years. Daisy, though not eligible to join QCWA, assisted Carl by doing secretarial duties. As a member she has served as Secretary/Treasurer in 1991-92 and as Treasurer in 1998. Devoted to the Chapter, Daisy is a person with a willing and helpful heart. We are proud of her.*

**Hal Maider K2HWW - Secretary**



From the  
William B. Duck Co.  
Catalog  
Circa. 1915

## Chapter Reports

### Chapter 64, El Paso

El Paso QCWA Chapter 64 met for their annual breakfast, in conjunction with the Hamfiesta, on Sunday, October 25th. Thirty-one of us gathered at Carrow's Restaurant for good food and good socializing. We welcomed the newest member of our club, Lou Geis, W2IBZ, and his wife, June.



*Secretary/Treasurer presented a plaque to John Dunsmore W5DTP (I) in appreciation for his many years of service to the club. John served as a director for 5 years and was vice president for 11 years.*



*Vasco Rhoden W5NPI (I) receives the Century Club Award.*

We were pleasantly surprised at our November meeting to have as a guest, Elizabeth Corliss, XYL of silent key, Ed, K5DIT, who was a long time member of our chapter. Elizabeth lives in Tucson now.

Results of our election of officers for 1999 were announced at our December meeting. Chosen as directors were Hilly Wise W5OVH and Earl Wood WA5YRP. C.W. Hiatt N5HRD is our new Vice President, and Manny Gonzalez W2BFI, was reelected Secretary-Treasurer. Colorful new membership directories, made by Jack Scheiderer AB5CP, were distributed. Baskets of fruit and a gift certificate from Buck's Bar B Q were won by 3 lucky people, and everyone was presented with a pair of glassjacks, crocheted by Juanita, XYL of Tex Burdick W5BQU.



*Taft Nicholson was presented his 65th Anniversary Plaque at the 25th Anniversary Dinner of Chapter 64.*

### Jean Carlson KØZRD - President

### Chapter 65, Niagara Frontier

A great time with good food and fellowship was had at our annual Fall banquet and Annual Meeting. It was held again at Schettler's Restaurant in Elma. Dan Clark N2DC was issued the QCWA Meritorious Award for his hosting our summer Chapter 65 picnics, serving on committees, and being a member of the Chapter 65 Board of Directors.

Our Sunday 1330 local, 3900 kHz Chapter 65 Net is informative and shows a good number reporting in.

The monthly 2nd Saturday 12-noon luncheon at Flying Tigers continues to be the place to attend. For \$7 it is a good deal also. This includes homemade bread.

On 12 December we had 24 folks attending the annual Christmas Party. We thank those who supplied cookies and candy.

If you wish a W2SD Club Station QSL card, report in to the Sunday Net and request one.

Please enter the QCWA QSO Party on 13 March and give out Chapter 65 as a multiplier for the gang. See the Winter 1998 Journal page 52 for details.

Remember Chapter 65 Home Page on the World Wide Web. The address is: <http://www.Lockport-NY.com/qcwa.htm>

### Ken Palmer K2FJ/ZB2G - Secretary

### Chapter 67 (Armadillo), Austin, TX

One of our members, known by many of us, Mike Blackwell, WD5BQH, passed away at the age of 46. That is one of our sadder notes this quarter.

Our October Picnic Meeting which we had planned was rained out, and big time. I think we had 10 inches of rain over a 24-hour period that Saturday.

We heard from Niel, WA5VLZ, who is a former President of our chapter, and who has moved to Rochester, Minnesota. He says he and his family are doing

fine, in spite of getting used to all the snow and colder weather.

Our new net, the Armadillo Chapter Net, gets on the air Saturday mornings at 3920 kHz, 9 a.m., local time. We have figured out that there are around 500 hams locally who qualify for QCWA, and if only 10% of these would join, that would mean 50 new members! Our meetings are very enjoyable events and no one has any complaints.

Hal Henegar, our Prez (W5MDL), for some reason couldn't get any locals to help him put up some antenna poles on October 31st at his new QTH, but two local football players, high school students, were glad to help when "bribed" with hamburger money. The poles went up in 15 minutes, no problem!

Sam Stinson, N5WU, had a very engaging and well-written story on how he got interested in ham radio in our November issue of the "Thunderbolt" newsletter, edited by Hal.

At our November Meeting, one visitor was Harold Bates, KB5SXV from Lampassas, who plans to come regularly since he works for IBM on the weekends here.

We found out who our first President was, back in '68, I think, and it was Nemo Tykel, W5SD. We have discovered a lot of historical records, which was a very fortunate thing to have done.

We plan to continue having odd-numbered months as official meeting months and even-numbered months as "other activities months", with no official business or programs or such at these. We are of course hoping for a good attendance at these "more sociable" events, too.

Stu Rohre, K5KVH, reported that all local amateurs involved worked a 72 hour stretch during the recent floods here. Most of the rain fell on our meeting day October 17th.

We had a get-together for our Christmas Party on December 19th., but couldn't get it all done up as planned, but everyone had a very good time anyway, most of us eating lunch at Luby's and having the de rigueur eyeball QSO's. Prez Hal read a poem he had written a few years ago relating a fanciful Ham's Christmas. It was a pretty well-written poem, rhyming - sort of a an adaptation of "A Night Before Christmas."

Sam Stimson, N5WU, gave a report of the recent QWCA Convention in Palm Springs, CA, and did a marvelous extemporaneous presentation of it, bringing many photos for our Chapter archives from Palm Springs. He also talked about a recent trip his company made to China and the Far East, which was real interesting and enjoyed by all.

Roy Miller, W5FOZ, one of our Directors, and XYL Lucille, both won free tickets for the meal at our November meeting (we have a drawing each time we meet at Luby's for lunch), and this was fitting since both turned 80 years old in November. Lucille on November 8th and Roy on November 19th. Roy is our Historian and thus maintains our archives and takes pho-

tos of events, too, and tries to make sense out of, collating, all the material we have at our disposition.

We plan to meet on January 16th for our next meeting.

**Andy Goewy KA5SNA - Secretary**

## Chapter 70, National Capital

Contests! Contests! Of which our own QSO Party is an important one. Our Chapter Members recently were educated on the more sophisticated methods of contest operation - naturally, with the use of computers.

At a November dinner meeting two Members who have been around the Amateur Radio bands even before computers came on the scene, were presented with a 65 year certificate and pin - George Adamson VE3XS and Fred Green VE3IO! Another proud recipient was Ron Archer VA3RA with his 30-year pin.



*Chapter 70 recipients of certificate and pins are left to right: Ron Archer VA3RA - 30; George Adamson VE3XS - 65; Fred Green VE3IO - 65.*

Promotion of the Quarter Century Wireless Association is an ongoing undertaking. There are always people reaching their 25-year mark in Amateur Radio - actually more and more as we have that "aging population". We do want them to be aware that the QCWA organization exists!

Visiting the other many Radio Clubs in our area armed with brochures and of course membership applications; attending flea markets; write-ups in various Amateur publications; and talking with other "hams"; all aid in the distribution of QCWA information.

All these items, as well as many others, are "foods" for discussion at a weekly Thursday morning breakfast here in Ottawa. Join us sometime!

On the Internet? Look us up at <http://www.qcwa70.cyberus.ca>

**Joan Powell VE3ZC - Secretary/Treasurer.**



## Chapter Reports

### Chapter 73, Southern Ontario

The fall meeting of Chapter 73, Southern Ontario was designated a "Ladies Day" and held on Oct 17 at The Plainsman Restaurant on Hwy # 5 in Dundas. A total of 94 members and guests attended.

A moment of silence was held to remember silent keys who passed away since the Spring meeting last May; Robert Mitchell VE3BXF, James George VE3CNS and George Zador VE3DSG.

President Earl Mann, VE3PTF welcomed new members Howard Lancaster VE3DAL and Anthony Osman VE3RZ.



*Left to right: Awards presented to Clayton Anguish VE3LU - 65 yrs, Gord Moogk VE3DBP - 50 yrs., Herb Lehman VE3BZU 50 yrs, P.T. Valeriot VE3DSC - 60yrs, Jim Cooper VE3CR - 75 yrs, Bruce Underwood VE3ANU - 50 yrs, Jack MacQuarrie VE3AWY - 50 yrs and Ted Bodman VE3CD - 65 yrs.*

### QCWA Convention

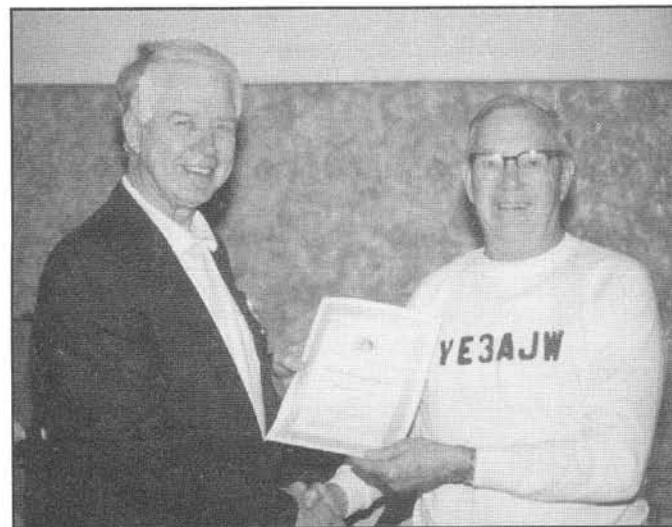
President Earl Mann reported that Chapter 73 received Official approval to host the Year 2000 International QCWA Convention in Toronto. The convention will be held October 12-15, 2000 at the Delta Airport Hotel in Toronto. The committee will meet shortly to finalize the various Committee Chairpersons required.



*Left to right: George Roach VE3BNO presents Bill Cruikshank VE3NX with 65-year award.*



*Left to right: George Roach VE3BNO presents Frank Edwards VE3ER with 60-year award.*



*Left to right: George Roach VE3BNO presents Fred Wilkinson VE3AJW with 50-year award.*

Croft Taylor VE3CT (Canadian Director & Vice-President) gave his report on recent Board of Director's meeting.

Tom Atkins VE3CDM, who was recently re-elected to a second term as President of IARU Region II, gave his report on the meeting in Venezuela.

The highlight of the meeting was the presentation, by George Roach VE3BNO of Ottawa (newly elected Director), of Gold Certificates to QCWA members celebrating 50 or more years as a Radio Amateur. Those indicating they were unable to attend were sent their certificates prior to the meeting.

Entertainment was provided by "The Paul Bros., & Shirley", a comedy group from Kirkton, Ont.

The meeting concluded with lunch and door prizes.

The next meeting will be on May 1, 1999 at The Plainsman.

**Harold Braun VE3DWH - Sec/Treas**

# Member Supplies

## Certificates

**Membership Certificates** are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

**QCWA Gold Certificates** celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

**Gold Certificates** are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

**Fifty Year Continuous Licensing Gold Certificate** available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

**QCWA Century Club Certificate** is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

**Meritorious Award Certificate** is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

## Operating Awards

**QCWA Operating Award Certificates** are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

**QCWA Worked 50 States Awards** are issued to QCWA members who have contacted members in each state of the union.

**QCWA Worked 100 Members Awards** are issued to QCWA members who have contacted at least 100 QCWA members.

**QCWA Worked 60 Chapters Awards** are issued to QCWA members who have contacted members of 60 chapters.

**QCWA Worked 500 Members Awards** are issued to QCWA members who have contacted 500 QCWA members.

## QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

## Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 541-683-0987, Fax 541-683-4181

We do not accept orders charged to credit cards.

## Chapter Reports

### Chapter 75, Central California Coast

Our fall luncheon was held on Saturday Oct 17, 1998 at Maria Del Sol restaurant in Santa Maria, California, attitude adjustment time 1200 to 1300 with a buffet with BBQ Chicken, BBQ TRI TIP & Roast Turkey along with salads, veggies & dessert, excellent food and all everyone could eat, available.

The speaker was the Section Manager for the Santa Barbara/Santa Maria area, a member of QCWA Chap. 75, Robert E. Griffin, K6YR. His subject was "Ham Radio's Future". We were all put on notice to write letters to the FCC and the ARRL, expressing our views for Ham Radio and its future! If we fail to express our views individually, Ham Radio as we know it now may be a pleasure lost in the present bureaucracy, and no longer a pleasure!



Left to right: President Len Cummings W6RBB with Robert E. Griffin K6YR.

After a Q & A time a raffle was held giving away fresh strawberries and trinkets which were provided by our president, Len Cummings, for the lucky ticket holders. Our members really enjoy this part of our meeting!

**Dave Kreiss W6ELH - Secretary**

### Chapter 76, The Blue Ridge

Chapter 76 is probably one of the more active chapters in QCWA since we meet twice a month (1st and 3rd Wednesdays) except for December. We've been very fortunate to have some of our guest speakers from within our membership as we realize the varied and interesting backgrounds many of us have come from (and into retirement here). Staying away from the "technical" has brought out many of our XYLs ...at least to the first meeting of the month!

This Fall, we were invited to participate in "Hobby Day" at a local mall. We turned up with a two-table display. One, a display we use at local hamfests to promote QCWA and find new members and the other a table covered with antique radios including a working spark station (at least it's capable of working). Members of the local radio club manned a neighboring display, and with modern HF and VHF radios and together, we provided one of the most interesting and "active" displays according to the mall manager. A portable and easily erected display makes it possible to "fly the QCWA flag" whenever we have the opportunity.

December and the varied holiday season brought our annual party and installation of officers. Due to the size of the facilities for this event, we limit the attendance to 50 and this year we had 35. Good fellowship and good food. Unfortunately, our planned entertainment ... a local story teller of note ... got lost enroute but she's promised us a "freebie" for next year's event. As a quickie fill-in, W4ZCB related the founding and design of the Signal-One transceiver. With no warning or preparation, as an "instant speaker", he did one hellava job ...with a very interesting subject!



Chapter 76 display at the local mall during "Hobby Day", featuring QCWA display and a special display of old time gear.



Please note that we've had to change our regular meeting place to Ryan's Steak House in Hendersonville. Our previous accommodations were just getting too small for the group that normally shows up ...particularly when the sno-birds return from wintering in Florida.

We look forward to visitors both in and out of season so, if you're in the neighborhood, break bread with us. 828-891-4359 or dukehc@juno.com.

**Duke W2YTO - Secretary**

### Chapter 77, Northern New Jersey

NNJ Chapter 77 met for the Annual December Holiday Luncheon with fifteen attendees including Gene Niemiec, K2KJJ who spoke on "A History of the Development of Communications." He also spoke of his participation in the hobby. Gene's theme for our QCWA group and yours, was "Pass your knowledge on to youngsters. Help Ham Radio grow. The Internet can be a friend, not a threat."

After some Chapter business, we gathered to celebrate and honor Carl Felt, N2XJ's ninetieth birthday. Carl and his wife Ruby (who makes the best Pea Soup this side of the Ohio) live in Chatham, N.J. Carl has held many ham calls since 1928 including 9FJA, W2BEX, W2CCF, W2DSY and N2XJ. He has 250 countries confirmed through his DX activities and is a "rock" in New Jersey traffic handling, mentoring many fledg-



*Pictured above, left to right, is Chapt. 77 Pres. Ray Czynewski, WA2SEJ, honoree Felt, N2XJ, VP Bill Fisher, K2GVC and Sec/Treas. Gene Filipponi, AG2R.*

ling traffic hounds to maturity. Carl Felt is a true gentleman of whom we are justly proud to have in our midst.

**Gene Filipponi AG2R - Secretary**

### Chapter 81, Long Island

We win some and we lose some. In 1998 we gained some members in our total and we lost some to the hereafter. It's like that every year. We all check the Silent Keys column to see who is listed and to make sure our names are spelled right.



*Left to right, in the back row, our new president, Marty Miller, NN2C and immediate past president, Charlie Baker, W2KTF. In the front row are Sid Wolin, K2LJH and Frank Fallon, N2FF, ARRL Hudson Division Director and fellow member who spoke at our meeting in December.*

This year there is some talk, and I hope enough action, on dealing with the Y2K problem that affects so many computer programs and computers. I have replaced BIOS in one Pentium computer and will make some changes to another computer or replace it. If you use your computer for logging, it may be affected.

We elected new officers in December and Marty, NN2C is our new prexy. VP is Sid, K2LJH; Hugo, W2IGH, continues as Treasurer; W2QBR is Sec'y and directors are W2VZQ, W2QJIV, W2KTF, WB2RXG and AE2Z.

In December, at the annual Holiday Meeting, World Radio donated three subscriptions and a stack of back issues for the members. Kenwood prefix maps and frequency charts which were part of the usual raffle to supplement dues.

**Carroll Hamlet W2QBR - Secretary**

## 1999 QCWA National Convention

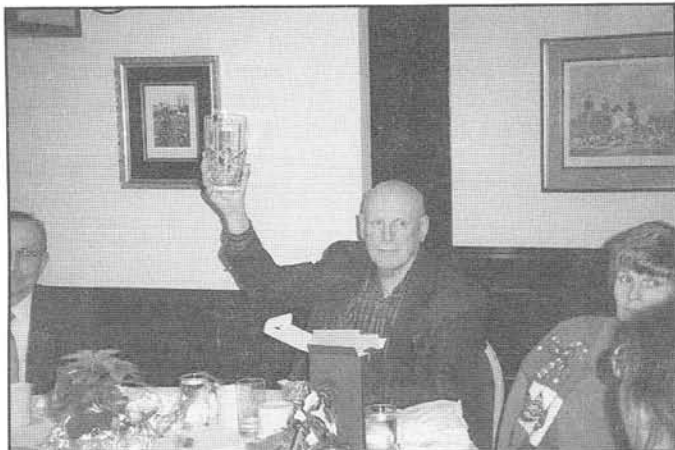
September 24 & 25

in

St. Louis, Missouri

## Chapter Reports

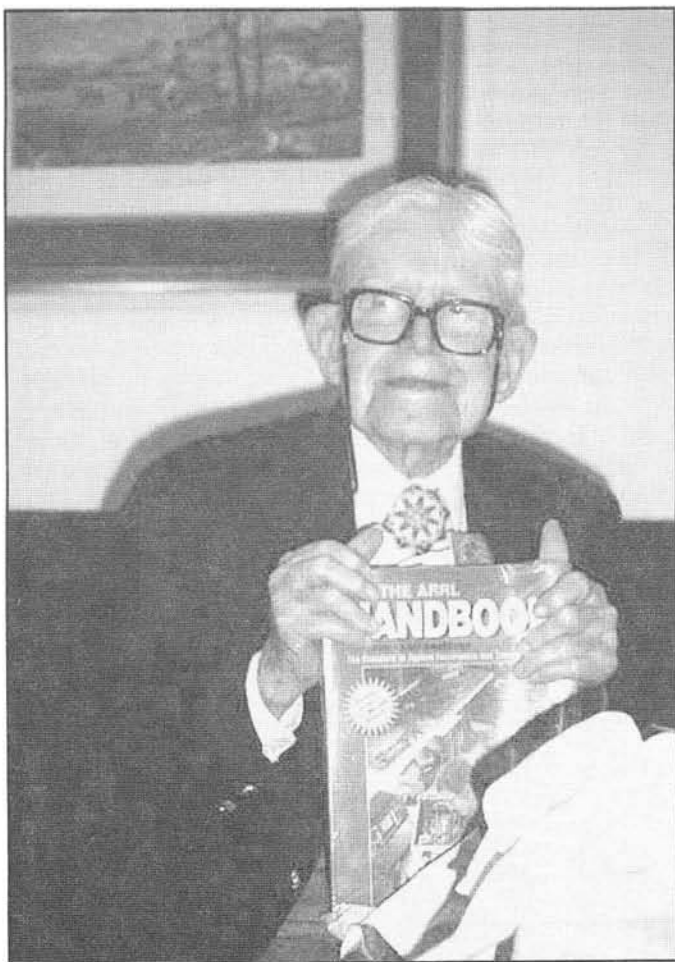
### Chapter 91, Vic Clark



*Johnny Johnston, W3BE, shows off the cut crystal vase he received from Santa. John's wife Betty, N3P XK, is at his left; Bernie Keiser, W4SW, is at his right.*



*Marolyn Bradley, wife of member Lew Bradley, W4SWP, draws a winning ticket from box held by Santa John Swafford, W4HU.*



*Jack Kingman, W4JT, 92 years young, shows off the 1999 ARRL Handbook he received from Santa Claus.*



*Marilyn Jackson, KD4DET, wife of member Jay Jackson, W4VG, happily shows off the Alinco 2m handheld transceiver she received from Santa Claus.*

### Chapter 95, Eastern New York

Elmers are great. No doubt about it. I guess that I had two. It was the early 60's and I knew I wanted to be a ham. My father told me the neighbor had been a ham many years before. Lickity split I was knocking on Franny's door. What a guy! There he was in the living room listening to an RCA short-wave radio that was out of its' case. Never did see the case to that radio, guess he was always tweaking the trimmers and all. What was he listening to? Why CW of course, this set had a BFO. His old call started with an 8 and

had lapsed before the W calls came out. Maybe he couldn't give me the novice test, and yup, he was not knowledgeable about electronics but he did have QST magazines dating from the 20's to the 50's. I perused them all. Dang, great times and all but I needed a licensed ham to give me the test.

It was a while, but one was located in the next town. Lickity split I was knocking on his door. He was K2JWR, Don. Some of you may have known him. Now there was a real station. SX17 - Super Sky Rider if I recall correctly. It had two tuned RF stages! We would listen to the bands and talk about what I needed to know to pass the test. I built a code oscillator and before I knew it the novice license was mine. Time to get on the air! I had built a 6SN7 regenerative receiver from the 1955 handbook and had read the mail on 75m for a couple years with it. But I wanted more, so the paper route piggy bank was broken open and off to Adirondack Radio where Ward sold me a used receiver and on to Fort Orange Radio where Uncle Dave sold me a used 807 transmitter. Hooray, now I could operate on the 80/40/15 meter bands. .... The fun had begun!

## Secretary/Treasurer

### Chapter 100, East Georgia

Chapter 100, East Georgia, held its Annual/December meeting at a local restaurant on 21 December 1998.

The dinner meeting was opened with prayer by Roy Robinson, K4EDU.

After Dinner I had a discussion on the awards, certificates and pins available thru QCWA.

There was a discussion on the new T-shirts and Golf shirts and several of us have ordered a golf shirt.

Then I introduced Erica Sanders, MSW from the Shelter & Advocacy Center for Abused Children here in the Central Savannah River Area. She discussed the activities and the need for help from the commu-



*Left to right: Donald Anderson K4PSW President of the chapter presents gifts to Erica Sanders who talked to the chapter about abused children.*



*Left to right: Roy Robinson K4EDU presents 50-year certificate to Randy Watkins W4KL. Randy is a long time supporter of Chapter 100 and QCWA.*

nity. Then I presented her with the gifts that each attending person brought to the meeting. She was very thankful for the gifts and stated she was certain the children would be very happy with them.

The meeting was then closed.

## Donald R. Anderson K4PSW - President/Secretary

### Chapter 102, Dakotas

Sometimes we do envy those chapters in confined metropolitan communities with a small geographical area and many potential QCWA members. Our Chapter's area is North and South Dakota. About 148,000 square miles, only 1.5 million people and in two time zones. The amateur census is relatively low in this predominantly rural area. Having regular chapter meetings is a challenge and therefore difficult. But our weekly net meets every Sunday morning at 0800 CT on 3889 kHz. With usually 10 to 14 members checking in. Our chapter call is WØDAK, please join us.

Our members keep active in the ham community. Several are Volunteer Examiners. In 1998 members helped in providing communication services the Heart of the Hills Run, The Black Hills Marathon, the Rushmore 100 Mile run (day break Saturday morning till afternoon on Sunday through the length on The Black Hills on The Centennial Trail) and the Crazy Horse Mountain Volksmarch (over 15,000 walkers). Chapter President Frank Shaw, NUØF, conducted Morse Code and License Classes in September through November.

Roland Cory, WØYMB was presented our new Chapter's Traveling Trophy by the Mobridge Amateur Radio Club's President Lee Keszler, NYØX and Chapter 102 Sec/Treasure Dave Dekker, KØERM for Cory's participation in the Chapter's annual Special Event Activity in February 1998. Cory logged the most contacts during the two-day event commemorating the 21st anniversary of Chapter 102. Cory is also the ARRL Section Manager for South Dakota.



## Chapter Reports



*Left to right: Lee Keszler NYØX presents the new travelling trophy to Roldan Cory WØYMB.*

We will celebrate our 22nd anniversary with a Special Event Activity on Saturday February 13 and Sunday February 14, 1999. We will be on the ham bands between 1500Z and 0300Z each day, side band or CW. Listen for W0DAK and make a contact for a nice certificate. We plan to have this event every year in February.

**Roger Kehm KØROG - Vice President**

### Chapter 105, Middle Tennessee

The chapter has maintained its usual membership and meeting attendance during the summer. The quarterly meetings have been enjoyable, the fellowship has been great; however, there has been no outstanding decisions or activity promoted by the membership. A few suggestions were offered at the August meeting which are being investigated and that may bring some desirable results when completed. The delinquent members are needed very badly to help make the chapter what it can and should be, and are urged to begin attending the meetings and become an active participant in the chapter's activities.

It is nice to know that the Chattanooga Chapter 115 is still active. As reported by Charles Curle, AD4F in, "WAVES", which is the CARC newsletter, Tom Wolfe, K4CMY is President, Charles Wheaton, KJ4RC is V. P., and Joe Duncan, W4eCW is Sec./Treas. It might just be wishful thinking on my part, but it would be nice to have a joint meeting of all Tennessee QCWA chapters sometime in the future.

As 1999 is beginning, let's all put forth our best effort to make it the best year yet.

**O. D. Keaton, WA4GLS - Secretary**

### Chapter 106, German Chapter

In 1998 we had three major meetings. Our annual meeting was held on May 15. near Leipzig. 25 Members with their accompanying wives attended a wonderful luncheon with specialties of the surrounding landscape. The next day we made a bus tour to the nice city of Leipzig and made a great visit by foot with two guides, who told us everything of interest. After a lunch in the famous "Thueringer Hof" we again entered the bus and toured around the nearby exhibition ground 'Neue Messe', the Russian Church and the 'Voelkerschlachtdenkmal', a large building in memoriam of the battle of the Prussian, Swedish, Austrian and British armies against the army of Napoleon in 1813, where more than 65 thousand soldiers died.



*Left to right: Gerhardt Jacoby DL3ME and Christa Elksnat*

End of June we were again at the HAMRADIO in Friedrichshafen to show the colors of QCWA and OOTC in our booth. The meeting there brought 24 members together. We had several hams at the booth who were interested in joining QCWA. Some have already. The picture from that event shows the former Director of QCWA Dr. Gerhard Jakoby, DL3ME and one of our few female members Christa Elksnat, DJ1TE.

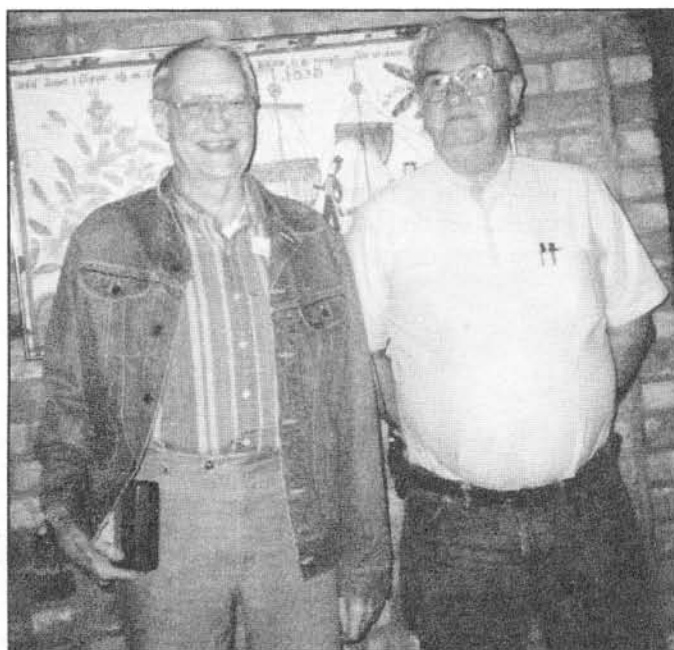
In 1999 we will have our annual meeting in Eisenach on May 14. Visitors are always welcome.

**Werner Lembcke DL1ZC - Secretary**

### Chapter 110, Kansas

Chapter 110, "Kansas" held its winter meeting December 5th at the Swedish Crown restaurant and club in Lindsborg, Kansas. Over 40 were in attendance, including members and their XYL's. The event was arranged by Al WØBBO.

New officers were elected for the year 1999. President elect is Don Fitzgerald KA0EIC, Salina Vice President elect is Larry Lambert NØLL, Smith Center Secretary/Treasurer elect is Wendell Wison WØTQ, Concordia.



*Left to right: Don Fitzgerald KAØEK President elect and Wendell Wilson WØTO Secretary/Treasurer elect.*

The new officers will meet with the board and set the spring meeting at a later date.

**Wendell Wilson WØTQ Secretary**

## Chapter 112, Yankee

The Yankee Chapter Christmas party was held on December 5th at Dewey's in Lakeville, MA. Thirty-two members and guests attended. After a fine meal, a gift swap was held with the chapter President Ernie Bosselman, W1DO and Vice-President Fred Ravens K1QLG, acting as our "Santas".

Best wishes are sent along to a new member James Hunter, W1HCJ, who also received his 50-year anniversary award this fall.

Watch for the next newsletter that will have details on the annual meeting scheduled for late April.

**Chuck Walbridge, K1IGD Sec./Treas.**  
**chuckew@homemac.ultranet.com**

## Chapter 126, Piedmont

The Chapter 126 Christmas Party is traditionally held in Southern Pines, NC, for over 10 years, mostly at the Mid Pines Inn and Golf Club. It has a more formal atmosphere than many of our meeting places because it is held in elegant surroundings. We have the convenience of a reception room, plus a separate dining room. The cloth table covering and linen napkins, with a full silverware setting, gives a feeling of style and comfort. The three course dinner and beverages are served in a timely manner, and the food is delicious. Twenty seven of our members and guests will attest to that. We have our member Wilbur Fulton, W2SE, to thank for a splendid time.

The Chapter welcomed two new members at this meeting. They are Gilbert Hoellerich, WB0KTZ, and Paul Schneeloch, W2LCL. Gil comes to us as a past-president of Chapter #171 in Arkansas, and Paul has

the distinction of holding the same call for 50 years.

We have new officers for the year 1999 as follows:

President - Grady Withers K4BEC, Vice Pres. - Walter Van Gieson AB4DQ, Treasurer - Chuck Brydges W4WXZ, Secretary - Henry Elwell N4UH, Directors - Bill Wray K4BPH, Guerrant Norman WA4GEU, and Clarence Beaver K4SHU.

Chuck Brydges was our Net Control Station for the period from September to December. He reported that we had an average Sunday morning attendance of 11.5 stations. During that period, there were 127 check-ins, and 27 different stations dropped by for our friendly gathering, from Virginia to South Carolina. We welcome all to these 8:45 local time get-togethers on 3935 kHz; please join us any Sunday.

**Henry Elwell, N4UH - Secretary**

## Chapter 128, Pelican

The Big Brown Bird Pelican Chicken Picnic was held November 18 at Shelter 13 in Seminole Park. We had 55 in attendance and many nice prizes were given. The ICOM mobile van was set up to demonstrate their products and many enjoyed seeing the display. The price for the picnic was held at \$7.50/person as it has been for many years. The picnic is not considered to be a fundraiser; however, we did take in \$28.00 over cost. This is an annual affair that is held the second Wednesday in November.

At our December meeting we had the election of officers and Wesley Randles W4COW, National Historian of the QCWA, installed these. He also gave us a brief history of the Chapter 128 Charter. The new officers are as follows: President -Dr. Marshall Ellis WAØFRP Vice President - Jarvie Nullins WA4GJH Secretary - Kenneth H. Johnson WA4TOP Treasurer - Don Bice W4PC0 Directors - Wesley Randles W4COW, Alan Pickering KJ9N, Buddy Morgan WB4OMG, J. Fred Strom K9BSL, James Eberwine W4APV.



*Chapter 128 Officers for 1999. Left to right: J. Frederick Strom K9BSL - Trustee, Director, James Eberwine W4APU - Trustee, Director, Ken H. Johnson WA4TOP - Secretary, Jarvie Mullins WA4GJH - VP, Dr. Marshall Ellis WA:FRP - President and Wesley Randles W4COW - Director, Natl. Historian. Seated is Jackie Strom XYL of K9BSL. Don Bice W4PCO - Treasurer, Alan Pickering KJ9N - Director and Buddy Morgan WB4OMG - Director were not present for picture.*

## Chapter Reports



*National Historian Westly Randles W4COW discusses the charter and history of Chapter 128 while past president and secretary Ken Johnson WA4TOP and unidentified pelican look on.*



*Bill Bell K4AUH (I) presents the Phil Stern award to Buddy Morgan WB4OMG.*

The Phil Stern Award for 1998 was presented by Bill Bell K4AUH to Buddy Morgan WB4OMG.

This Chapter meets the second Wednesday of each month at Buddy Freddies Restaurant, 58th Street N. and 9th Avenue N. in the Tyrone Gardens Shopping Center at 11:30 A.M. We gather in a room which has been reserved for us and chat over coffee. Then just before noon we have the Blessing after which everyone goes to the buffet. The business meeting follows the luncheon.

**Kenneth H. Johnson WA4TOP - Secretary**

### Points to Ponder

- \*If a cow laughs, will milk come out her nose?
- \*If you're in a vehicle going the speed of light, what happens when you turn on the headlights?

## Chapter 138, Marconi

The 4th quarterly luncheon meeting of the Marconi Chapter 138 was held on October 19th 1998. The program for the meeting was a 'Show and Tell' about early radio home projects. Tony Colaguori, W2GUM, stole the show with his working replica of his first radio transmitter. It was a Tuned-plate Untuned -grid Oscillator Transmitter better known as "TNT". Tony noted



*Chapter 138 has Show & Tell at meeting. Shown left to right: Bob Buus W2OD, Tony Colaguori W2GUM and Harold Clanton W2CJE.*

that the large tuning coil was originally made out of copper tubing from a junked automobile gasoline line. The insulators were made from anything he could find, and the copper was from old gutter pipe and flashing. Everything else was hand made. The rig used an O1A tube and powered by an auto battery. The power output was about 2 watts to a Windom antenna. Tony explained the unique way he tuned the rig with a flashlight bulb and a loop of wire, since test equipment was just not available to him. He worked Australia QRP with the rig and an old fashioned "pump" key, and proudly displayed his confirmation QSL cards. Bob Buus, W2OD, displayed his home brew 2 meter AM HT that he built in 1953 from a QST article. Bob noted how tricky it was to keep the rig in tune. He also showed the group a 3 tube receiver (RF amplifier, Regenerative Detector and Audio amplifier) he built in 1954. He wanted to use it at college, but was not able to because of studies. Finally Harold Clanton, W2CJE, displayed a direction finder he built and told about his experiences on finding hidden transmitters and the competition he entered. All in the entire chapter had a very enjoyable meeting.

**Bernard Ricciardi, WB2EJT, secretary, email: bvrice@monmouth.com natrpt1098**



## Chapter 154, Leo I. Meyerson Greater Palm Springs Area

Changing of the guard is the big news at the Leo I. Meyerson Chapter. Bob Rose, K6KRZ, stepped down as Chapter President on October 9th, coinciding with the holding of the National Convention here in the Coachella Valley. Our new President is George Underberger, W6WAS, and new Vice President/Secretary is Norm Friedman, W6ORD. George and Norm are both enthusiastic about the Chapter's future and have resumed programs for the monthly Thursday Luncheon. The regular Thursday evening VHF net, Tram repeater 145.48 (-) 107.2, at 6:30pm local time has been taken over by Bill Dews, K6AWO, and activity has already started to build up.



*George Underberger W6WAS - incoming president of Chapter 154.*

Our Chapter has held its Annual Spring Luncheon for the last 11 years or so. In recent years it has evolved into a QCWA Mini Convention and has grown in attendance. Because we had the National Convention in October we cancelled the Spring Luncheon for both 1998 and 1999, not wanting to compete with the National. This is to inform you that there will NOT be an Annual Spring Luncheon in 1999. We did consider the possibility after many inquiries but could not get good dates at the hotels at this late date.

Come to the monthly luncheons. They are held at the Sunset Inn in Desert Hot Springs, at 11am, the second Thursday of every month. Interesting programs and good fellowship prevail!

**Don Doughty W6EEN**

### **ERRANT Classified Ads in Antique Journal**

**For sale:** An antique desk suitable for lady with thick legs and large drawers.

**Four-poster bed,** 101 years old, Perfect for antique lover.

## Chapter 162, Southeast Wisconsin

The chapter held business meetings the third Monday of September and November, 1998, with social meetings in October and December. The October 18, 1998 meeting was the Annual Meeting and election, with a meal at chapter expense. The Annual Meeting saw Spence Clope, W9LDH; Bill Komistra, W9OVZ; Ed Konicek, W9NVK and Fern Fisher, W9LCJ elected as directors. The new Board of Directors then met and elected W9LDH as President, W9OVZ as Vice President and Bob Jensen, W0WLN as Secretary-Treasurer.

A special award for a decade of service to the Amateur community was presented to member Bob Burgermeister, W9EH, at the Southeast Wisconsin Annual Amateur Radio Banquet on September 26, 1998. The chapter 1998 Olin Fox Memorial Award for service to the Amateur community was presented to Ken Knoff, N9NBC, at the chapter November 16, 1998 meeting.



*Chapter 162 President Spence Clope W9LDH (r), presents the 1998 Olin Fox Memorial award to Ken Knoff N9NBC (l) at the November 1998 meeting.*

The December 14, 1998 meeting at the Chancery restaurant in the Radisson Hotel southwest of Kenosha was the annual chapter Christmas party, and featured a gift exchange. Table decorations of miniature evergreens were made and donated by Ken Knoff, N9NBC, and were presented to the ladies present at the end of the meeting.

The report of chapter activity in the 1998 ARRL Field Day showed participation by 7 chapter members manning 3 stations on HF and VHF, all QRP and powered by batteries. While the final point total was not among the leaders, it did show that the chapter could provide emergency communication without commercial power.

**Robert N. Jensen, W0WLN, Secretary-Treasurer**

## Chapter Reports

### Chapter 166, Colonial

At our September meeting we were glad to have an excellent turnout to see some of our members receive certificates. Certificates were awarded to Tom Dix W3BFH, 65 years, Paul Bohlander W3VVS and Al Warren WB3O each received a 55 year certificate and our President Tom Jones W3BED received his 50 year certificate. Charlie Stouth W3ZPP received the Meritorious Award for service.



*Receiving certificates left to right, R. Paul Bohlander W3VVS - 55 yrs., Tom Dix W3BFH - 65 yrs., Tom Jones W3BED - 50 yrs.. Missing was Al Warren WB3O - 55 yrs. - I*

All of our present Officers have agreed to serve through 1999. Newly elected to the Board of Directors was Tom Johnston W3TDZ. We welcome Tom to the Board and look forward to his input.

The Christmas Party was held December 2nd at Ludwigs Inn with members and their wives. We had a fine luncheon and everyone received a gift, thanks to the efforts of Tom & Martha Jones.

We are going to resume our breakfast meetings the second Tuesday of the month starting in January at the Villanova Diner in Villanova Pa. at 9:00 AM.

Our March meeting will feature a speaker well versed in "RF", having given radiation & amateur radio talks to various and sundry groups including the government.

We look forward to a healthy and prosperous 1999 which should open the door for some new QCWA members.

**Charlie Stouth W3ZPP**

From the mouth of an old cowhand  
"MISERABLE AS A SHORT-TAILED HORSE  
AT FLY TIME."

### Chapter 169, Sacramento Valley



*John Minke N6JM on right (DX Editor of World Radio) holds his Meritorious Service award. Looking on (l to r) are Dan Langford WA6VPJ, Bill Hendrick NS6D, Cliff Adams K6ON and President Paul Wolf W6RLP.*

### Chapter 174, Central Wisconsin

The annual meeting was held on November 7, 1998 at the Blue Top Supper Club, Stevens Point, Wis. After a very enjoyable meal of broasted chicken, meatballs and ham served family style, everyone left with a full stomach. 15 people attended the meeting. W9RZW reported new QCWA directory will be updated soon and we should order from National enough for each Officer to have in their possession. Also we should arrange our meetings around Chapter 55 who have their meetings the first Saturday of June and October. This will be done.

Appointments to the board of directors were as follows: K9JPS, W9NN, K9PJB, W9JN and K9CJM. The slate of Officers are as follows, President W9CO, Vice President K9WVM, Secretary K9MJF and Treasurer N9MHG



*L to R: Bill McConnell N9US presents a plaque of appreciation to Bob Baird W9NN (one of the remaining founders of QCWA).*

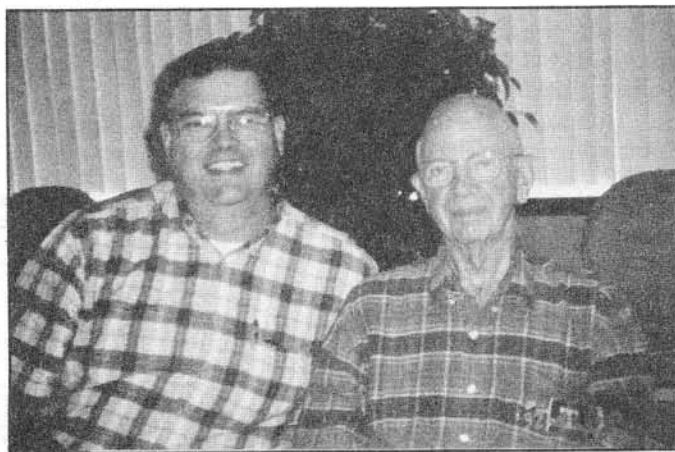
A round of applause for W9NN Bob Baird who received a plaque of appreciation from the Northern Illinois DXCC Association at their convention at Rolling Meadows Ill. Bob was one of the founders of that Organization. Meeting adjourned 1315.

#### Wayne K9MIF

#### Chapter 181, Hudson Valley

The Chapter held its Fall Meeting on October 24th at the Port Chester Coach Diner with 16 members and guests present.

At the meeting, member Lou Leonard, WA2UIJ, presented and discussed slides taken at the Antique Wireless Association Convention a year ago. The first slide showed a beautifully restored old crystal receiver that Lou had entered and which won first prize in its class. Other slides showed many historic radios and early television receivers, including the pre-war, mirror topped RCA TRK-12.



Two distinguished members of Chapter 181, on the left Tom Raffaelli WB2NHC, and on the right Julian Hirsch W2KFB.

For a number of years, Tom was president of WECA (Westchester Emergency Communications Association). Many members know Julian as the guy who for years helped establish standards for HiFi audio equipment, testing and who reported regularly in the magazine "Stereo Review".

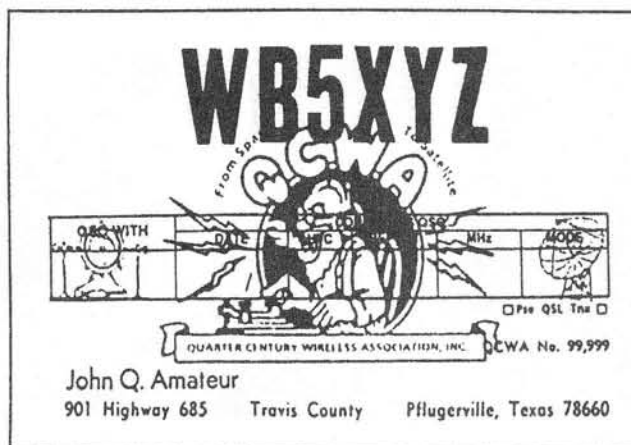
Photo courtesy of NJ2J.

Since our meeting we received the sad news that member Bob Robinson, WD2AQF, passed away after an extended, serious medical situation. It is sad to lose Bob who sincerely enjoyed the reawakening of his ham activities and membership in QCWA after retiring from a long career as an electrical engineer. Our sympathy was expressed in a donation to the QCWA Scholarship Fund.

Our meeting had its traditional prize drawing early so that Harry Moore, W2JQS, could keep another commitment. The meeting was adjourned by Dick Robinson, W2OZA, President.

Dick O'Brien NJ2J - Secretary

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 City \_\_\_\_\_  
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## Chapter Reports

### Chapter 191, Monterey Bay



*Dave Bradley W6CUB (l) receives two QCWA awards from Vice President Phil Kellen K6CJ (r). He received the 50-year Continuous Licensing Gold Certificate and the QCWA Golden Anniversary Award. Both celebrate the 50th anniversary of receiving his W6CUB license. Dave remarked, "Gosh it's lucky that you don't have to be 100 years old to receive two 50-year certificates!"*

### Chapter 195, Sun City Center

QCWA Sun City Center Chapter 195 met at Maggie's restaurant, on November 12, 1998. The meeting was called to order by president Alan Pickering, KJ9N, at 11:30 AM. Alan led the Pledge of Allegiance and the Invocation. He thanked the 29 people and guests for attending including 1 new member W1RUJ Carl Benson, and ask each person to introduce themselves. The meeting was then recessed for lunch.

The meeting reconvened at 12:30 PM. The meeting was then turned over to Mr. Peter Richards who gave a very interesting talk on (MRIs) Magnetic Resonance Imaging. He gave an illustrated lecture of the electronics of the MRI equipment. Alan thanked him for the most interesting lecture and the group agreed.

Gerry Engle displayed the chapter banner that looks very nice.

George Guller read the balance of the treasury. It was accepted as given. It was noted that people must pay national to be member of local club. 3 People of 195 have not paid national dues.

The secretary's report was accepted as printed in the Newsletter.

Pres. Pickering announced the Nov. and Dec. birthdays. They are as follows:

Nov. birthdays: Pete Kurdeka N1ASJ Elmer Angell, Jr. W1YYQ John Bowker WA2WEN David Brown N3KOQ

December birthdays: Rita Hale W1UZR Blanche Randles W4GXZ

Alan and Croft Taylor spoke on the National convention at Palm Springs, Ca. said it was success. Many good lectures. Those that went agreed it was an en-

joyable and enlightened convention.

The board was invited to view W6EEN's station. The set up was described and was said to be very elaborate.

It was announced by Pres Pickering that next year's National convention will be in St. Louis Mo. and that the 2000 National Convention will be in Toronto, Canada which promises to be larger and better than the last Canadian Convention. It will be close to the airport. So there are many airlines flying into the Toronto airport making it easier for everyone to get there.

It was announced that W4PAD had become a silent key and that his equipment was now up for sale.

Another announcement was that Ed and Rose Coxey W2AFD are having their 75th wedding anniversary in November. 28.

Also announced that the Brown Bag picnic would be held Saturday Nov. 14th at E.G. Simmons Park. All clubs are invited and hope that there will be a good group. Ed O'Reilly and Lew Merrill will put on a transmitter hunt.

Bylaw #6 was changed to read that a ham and ham spouse would pay \$5:00 +\$1:00 for a year's dues and Ham and non-ham wife would only be \$5:00 per year. It was accepted.

**Rita Hale - Secretary**

### Chapter 201, Gem State

On November 11, 1998 the Gem State Chapter 201 of QCWA met at the Idaho Pizza Company in Meridian to discuss the adoption of new bylaws and plans for the upcoming year. President Neil Zimmerman, W7MAF, led the discussion on the new bylaws that were passed out to the membership at the October meeting.

The bylaws were approved as presented to the membership. The next item on the agenda was election of a new vice-president, as the office was open due to resignation by the previous holder. Rex Green, K7OLJ was elected to serve as vice-president, and to assist the chapter with public relations, such as a column in the Voice of Idaho newsletter, as well as to the national QCWA magazine.

Several members have offered to act as "Elmers" in the various areas of amateur radio. A list can be obtained from President Zimmerman.

President Zimmerman, W7MAF, also presented the following awards from the national QCWA office for length of Amateur Radio Service: Alan Ross W7IWU - 65 yrs. Bill Smith W7GHT - 60 yrs. Ed Fujii W71ZZ 55 - yrs. Bob Ahman W7SC - 55 yrs. Floyd Worth W6ZOH - 50 yrs.

Regular meetings of the Gem State Chapter will be held at 5:30pm on the last Tuesday of each month at the Chuck-A-Rama Restaurant, 7901 Overland Road in Boise.

**Chapter 202, Old Dominion**

The first official meeting of QCWA "Old Dominion" Chapter 202 was a breakfast meeting at the Shoney's Restaurant in Roanoke, Virginia on June 13, 1998. The Charter from Headquarters designating us as Chapter #202 was presented.

It was agreed that the Chapter would have monthly breakfast meetings Saturday mornings once a month at 9 AM. Buddy Smith, W4YE passed around a copy of the first published QST magazine, which the members found quite interesting.

At the meeting on July 11, 1998 Bill Svec, WA4BKW gave a program outlining the history of the local Public Radio station - WVTF. His interesting program prompted quite a few questions from the members and guests. Guest Phil Roark, KE4WFO showed us his copy of the 1955 issue of "How to become a Radio Amateur" which was passed around prompting many comments about the "good old rigs" of the bygone era.

The August 22, 1998 meeting was held at the Salem Civic Center during the Roanoke Valley Hamfest. Buddy, W4YE announced that Jack Blake, KE4OAL had been married since our previous meeting and all offered their congratulations to Jack. The proposed changes to the licensing structure were discussed and the general consensus was that we did not wish to go on record as a Chapter concerning them.

The September 26, 1998 meeting was held at the Franklin Restaurant near Rocky Mount, VA. The subject of recruitment of new members in areas of Bedford and Lynchburg was discussed. It was agreed to hold the next meeting at a location more convenient to potential members from those areas.

The October 31, 1998 meeting was held at the Goode's Country Kitchen near Bedford, VA. A very enjoyable breakfast was had by all. Larry Bouchard, KR4LY joined QCWA and the Old Dominion Chapter. He wondered if there was any way to determine the "DL4" call from which he operated during his time in the service in Germany. Buddy will check into this.

Information about Leon Baker, W4DKV who is in the Medical Care Center in Lynchburg was given to Gene, W2CP and he was requested to see if they could arrange a visit with Leon to attempt conversation via Morse code tapped on his arm.

Buddy read portions of the QCWA Board of Director's position paper on restructuring. Regardless of which revision is adopted, it was noted that it behooves all those who are General Class to up-grade to Advanced prior to the change, so that they will get Extra Class privileges. Due to the major number of contests and amateur activities during November it was agreed to have our next meeting in conjunction with the Christmas Luncheon of the Franklin County ARC on December 5, 1998.

**Stan Reas - Secretary**



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# Silent Keys

## With sadness we record the passing of these members

| NAME                 | CALL      | MEMNUM | L | SK   | CITY           | STATE |
|----------------------|-----------|--------|---|------|----------------|-------|
| FOSTER, ROBERT J     | W0WRE     | 27849  |   | 1998 | OMAHA          | NE    |
| BRENNEMAN, R H       | W0UQJ     | 11145  | * | 1998 | COUNCIL BLUFFS | IA    |
| STANTON, DESMOND G   | W0SPF     | 09297  |   | 1998 | WICHITA        | KS    |
| HADLEY, AMOS L       | W1EBJ     | 02313  | * | 1998 | OLD TOWN       | ME    |
| KNOWLTON, WINFRED C  | K1BUM     | 17892  |   | 1998 | BROOKSVILLE    | FL    |
| WALKER, KENNETH D    | W1FAB     | 14536  | * | 1998 | CHICOPEE       | MA    |
| AURICK, LEE          | W1SE      | 22803  |   | 1998 | WINTER SPRINGS | FL    |
| POGES, JOSEPH F      | W1EED     | 13826  | * | 1998 | WAKEFIELD      | MA    |
| CROWLEY, HARRY A     | KA1EKD    | 15911  |   | 1998 | SILVER SPRINGS | FL    |
| ROBINSON, ROBERT L   | WB2AQF    | 27865  |   | 1998 | MAMARONECK     | NY    |
| BATTISON, ALVIN H    | W2IEG     | 06461  | * | 1998 | VESTAL         | NY    |
| NARSHALL, JOSEPH     | K2AU      | 03851  | * | 1998 | NORTHPORT      | NY    |
| GUTHENBERG, ALFRED   | W2IXX     | 10582  |   | 1998 | HICKSVILLE     | NY    |
| ZADOR, GEORGE J      | VE3DSG    | 27448  |   | 1998 | MISSISSAUGA    | ON    |
| KANE, RICHARD F      | W3BJB     | 23596  |   | 1998 | SAFETY HARBOR  | FL    |
| HENTGES, PHIL        | W4PFK     | 21455  |   | 1998 | DUNDEE         | FL    |
| DOYLE, WASHINGTON D  | JR KO4GW  | 19110  |   | 1998 | SEMINOLE       | FL    |
| WYMAN, BRUCE D       | K4OP      | 06958  | * | 1998 | WINTER PARK    | FL    |
| DARRACOTT, CHARLES R | JR WD4OCW | 17732  |   | 1998 | WILLIAMSBURG   | VA    |
| TRIPP, BOB E         | W5MM      | 27323  |   | 1998 | DENTON         | TX    |
| KASTELICH, LOUIS E   | W5LAF     | 13851  | * | 1998 | JACKSON        | MS    |
| RETTIG, BROOKS WAYNE | WA6ZTF    | 20870  |   | 1998 | RIDGECREST     | CA    |
| TYRRELL, VILLA-JEAN  | VE6VJ     | 17512  | * | 1998 | CALGARY        | AB    |
| RETTIG, BROOKS E     | K6GGS     | 15277  |   | 1998 | REDLANDS       | CA    |
| BEACH, THURMOND D    | W6OOX     | 04575  |   | 1998 | SAN DIEGO      | CA    |
| JOOS, WALTER R       | W6EKM     | 01758  |   | 1998 | LSO ANGELES    | CA    |
| EGGE, CARL J         | W7LZY     | 16918  |   | 1998 | BILLINGS       | MT    |
| AVERY, PAULINE L     | W7FHW     | 16511  | * | 1998 | PASCO          | WA    |
| BUTLER, DOUG         | W7FSC     | 20191  |   | 1998 | KEARNS         | UT    |
| MADSEN, BRYAN B      | KQ7R      | 21035  |   | 1998 | LITTLEFIELD    | AZ    |
| BRADLEY, ROBERT L    | W7LKM     | 27500  |   | 1998 | CENTERVILLE    | UT    |
| THOMS, EARL H        | W7DJ      | 11234  |   | 1998 | SEATTLE        | WA    |
| BOOKWALTER, ROBERT L | W8DGU     | 01283  | * | 1998 | VENICE         | FL    |
| FINLEY, MILT         | W8LIH     | 05832  |   | 1998 | TALLMADGE      | OH    |
| PFAHLER, LLOYD L     | W8FKL     | 15453  |   | 1998 | VENICE         | FL    |
| NUTSON, PAUL W       | W8AUT     | 00928  |   | 1998 | DAVISON        | MI    |
| BRUST, PHILIP DONALD | W8QCU     | 21566  | * | 1998 | SPRINGFIELD    | OH    |



## Jim Rives W5JC 75-Year Service Award



One of the most notable awards to receive is the QCWA 75-year Service award. The San Antonio Chapter 38 awarded Jim Rives W5JC the award in 1998. Jim said that among his proudest achievements was winning the Operating Award Plaque in 1979 as the top scorer in the CW QSO Party.

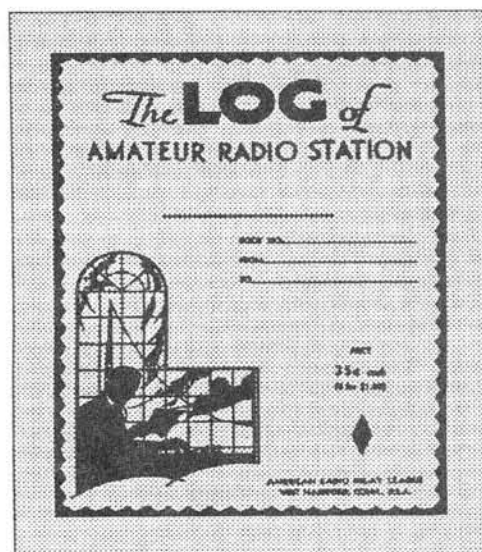
As a young school boy in 1919, Jim Rives became fascinated with the wonders of wireless radio and the challenges of the beginning of radio broadcasting. He learned the code and was on the air with spark. He used Ford Model T ignition coils as power and a UV200 tube regenerative detector for a receiver. His amateur radio license, 5JC was issued in 1923 by the U.S. Department of Commerce and signed by Herbert Hoover who later became President of the United States. It is interesting to note that President Hoover's son was a ham.

Jim's QCWA activities over the years included service as president of San Antonio Chapter 38 and participation in the yearly QSO parties. W5JC enjoys working DX and is on the ARRL DXCC Honor Roll. He is credited with confirmed QSOs with 364 countries.

In addition to amateur radio, W5JC obtained commercial radio telephone and radiotelegraph licenses in 1930 that began his long professional career. He participated in the creation and operation of the police radio system for San Antonio, Texas. Jim was an engineer for broadcasting stations and worked for the U.S. Civil Service for 31 years as an electronic engineer with various agencies including the FCC, the Air Force Training Command, Air Force Security Service and the Air Force Ground Electronic Engineering Installation Agency.

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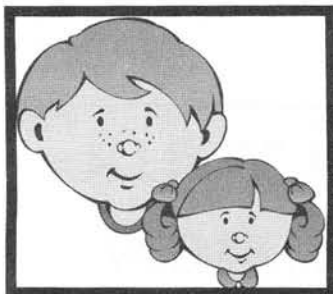
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Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.



# The Memorial Crystal Radio

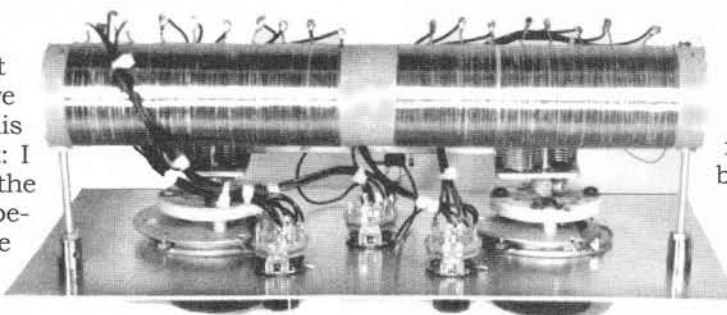
Treat the grandkids to something special

By: Dave Evison W7DE

"Oh Daddy, I love it! And so will the kids!" This was the response I got from my daughter as I gave her my gift. I'd given this offering a lot of thought: I wanted to give Janet and the grandkids something special, something I'd made with my own hands, something unique, something that would

work long after this ol' geezer was nailed in a box - and apparently I succeeded. And this is what I ended up doing: I made a crystal radio using as many vintage parts as I could scrounge up, and I put it in a solid oak cabinet that one of my sons built especially for the radio. The panel was made from copper-clad pc board, and it looks just like the copper panels from the days of yore. And the circuit for this crystal radio was no simple slider job, but rather one designed by Elmer Osterhoudt (6NW) back in the early Thirties. Bob Richardson, W6WHM, shared the circuit with me. I called the product of this effort the Memorial Crystal Radio. I even wrote a small book describing the history of the crystal radio, its theory of operation, and how to tune it. The book included line art drawings, an attractive cover, and plastic spiral binding.

The grandkids and I put up an antenna and established a good ground. The whole family gathered around the little crystal radio as I connected the antenna and ground, and then plugged-in the vintage Trimm headphones. I set the tap selection switches and twisted the two knobs (one with a genuine National Velvet Vernier Dial). The Seattle stations boomed in with great volume and selectivity. The grandkids danced around in unfeigned enthusiasm as each waited their turn with the headphones. And old grandpa was soaking up every moment of this. The expressions



of awe that crossed their faces as they wore the headphones will only fade from my memory as I gasp my last breath.

Whoever says that children of today are so jaded by high technology that they can't appreciate simple things never ob-

served a kid wearing a pair of Trimm headphones and turning the knobs on a crystal radio.

There is something magical about the crystal radio - something almost spiritual. My grandkids were fascinated by the attributes of the crystal radio that are unmatched by space age technology: no power required whatsoever beyond the few microvolts induced into the antenna by the broadcast signal; you never have to turn it off; and when Y2k dawns, and the computer-based technological infrastructure staggers to cope with a few bits of latent data that are no longer valid, the simple crystal radio will be unfazed - and if there are any stations on the air, the little Memorial Crystal Radio will bring 'em in.

The experiences related above were so wonderful that I decided that I'd share them with QCWA members, and pass along the circuit details of Elmer Osterhoudt's crystal radio. Elmer called this circuit The World's Most Selective and Loud Crystal Set -and, by golly, no hyperbole here - it lives up to its name!

For those of you not desiring to fabricate a family heirloom, the circuit can be assembled on the traditional breadboard and the taps selected using minigator clips. To those who share my sentiments to give something special and lasting, taking the time and giving attention to detail is how you accomplish this.

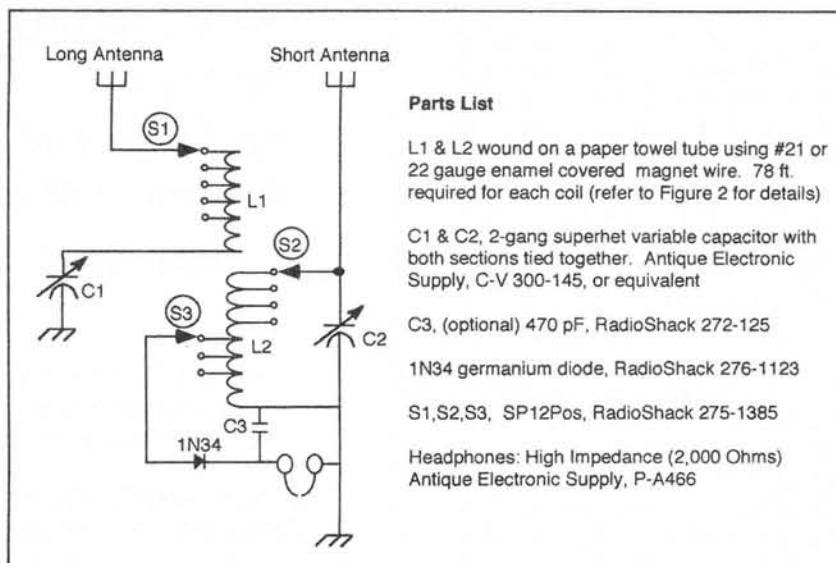


Figure 1. Schematic and parts list

### A brief description of the circuit

This is not an oatmeal box crystal set that receives AM stations all at once with zero selectivity. It incorporates two tuned circuits: one to resonate the antenna system and one for the detector. Each coil is tapped, and the taps are switch-selected to determine optimum inductance for tuning both the antenna and detector circuits. Taps also allow the headphones to be roughly matched to the detector-tuned circuit to produce optimum volume and selectivity.

### Construction

So far as construction is concerned, one of the endearing characteristics of a crystal radio is its relationship between appearance and performance: there is no positive correlation, and the uglier versions work just as well as the tidy ones. However, ease of operation and protecting the components favor neatness. The final choice is yours: form-follows-function, or family heirloom.

### About winding coils

Before winding the coils, first read this whole section. Coil winding is a unique experience and it can be quite frustrating; it requires fairly good vision and a steady hand. Allow yourself about 15 minutes to wind each coil. Find a time when you will not be interrupted, and once you begin winding, consider yourself committed to finishing the task. Begin by marking the paper towel tube as depicted in Figure 2. Then make the mounting holes on the bottom of the tube (a single hole paper punch works great for this). Now make the small holes on the top of the tube; these will be used to secure the ends of the coil. When winding the wire around the tube, try not to overlap previous windings - keep them side-by-side and close together. Since the cardboard tube is quite thin, be careful not to squash it while handling (however, keep the windings tight on the tube).

Dealing with the taps: Taps are formed by making a hair-pin loop (about 3/4 inch tall) then twisting it together a few times. Refer to Figure 2. After a tap is formed, continue winding until reaching the next tap. After the coil is completed, the

enamel coating from the circular opening at the top of each twisted tap must be removed. This is necessary to expose the bare copper and allow you to solder to them. The enamel can be removed using pocket knife or fine grit sandpaper. However, a more elegant method is to use paint remover such as JASCO(r) Speedomatic Paint Remover™ or equivalent. It's faster, more thorough, and easier on the wire. It can be applied by dipping the tap into a shallow container of remover, or by using a small artist's brush to apply it. The dissolved enamel is removed with a paper towel. Read and follow the warning instructions on the paint remover container. In addition, be careful not to allow the paint remover to contact any other part of the coil.

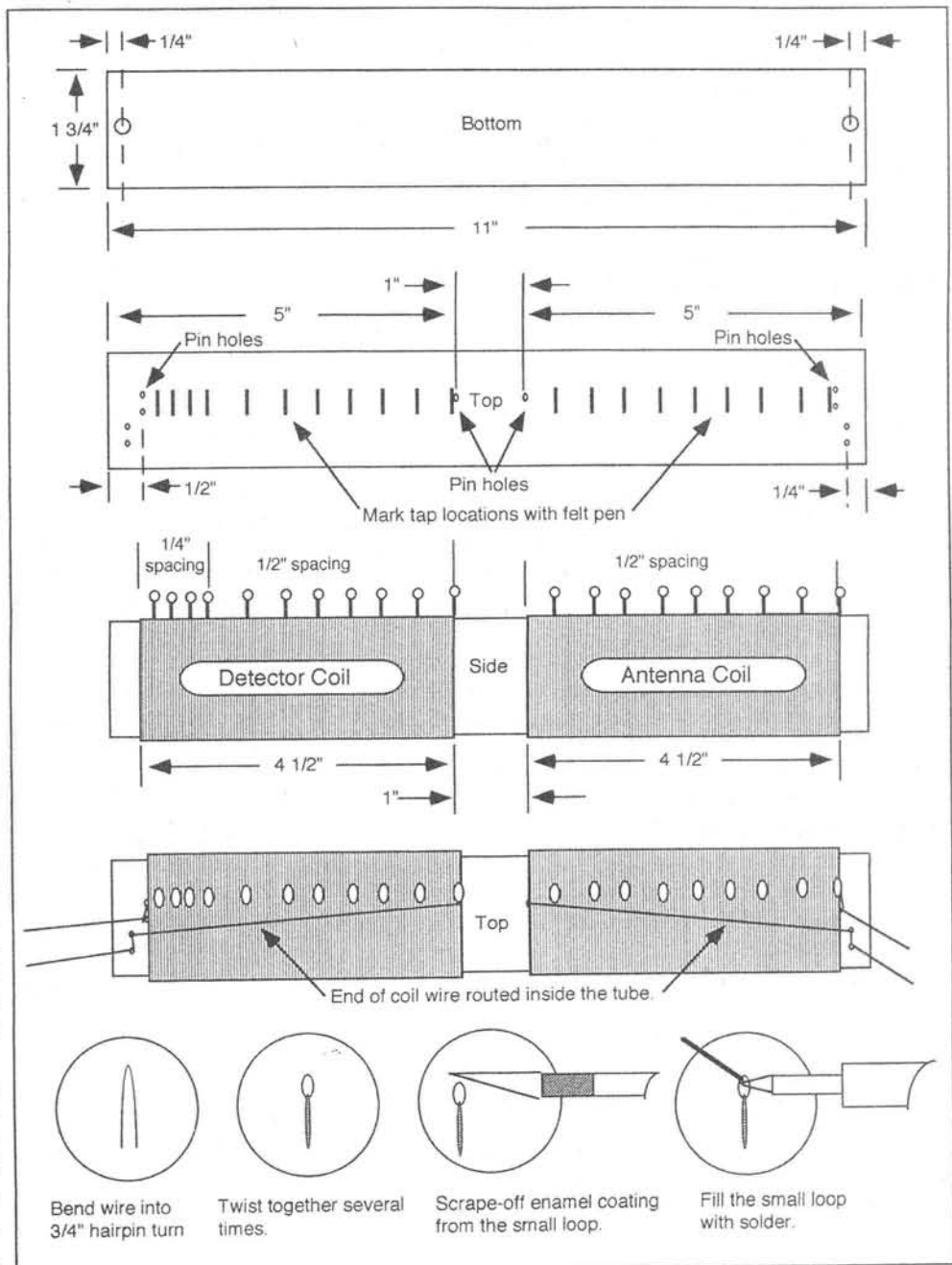


Figure 2. Coil Fabrication.



If you elect to scrape, go easy so that you do not cut through the wire - just remove the enamel coating. The enamel also must be removed from the bitter ends of the coils so they can be soldered during assembly. Figure 3 identifies the numbering sequence of the taps.

#### About antennas

An end-fed wire as long and high as you can manage works best. If you intend to use your hf dipole, and it's coax-fed and incorporates a balun, your will have to remove the balun, and tie the braid and center conductor together.

In strong signal areas, antennas as short as 25 feet will produce surprising performance. The short antenna input is included for situations where an antenna 25 feet or shorter is all you can put up. This configuration is a tradeoff: while the radio will be more sensitive to the weak signals, it does so at the expense of selectivity. If you live in a poor AM BC reception area, a good antenna is essential.

#### About headphones

This crystal radio works best with good, old-fashioned, high impedance (2,000 Ohms or greater) magnetic-type headphones. If you can locate a pair of vintage headphones such a Trimm or Cannon, rejoice, because it just can't get any better. Antique Electronics sells new 2,000 Ohm, magnetic-type headphones that should work fine.

I tried using low impedance (8 Ohm, speaker-type) headphones with a matching transformer. While this worked, it worked poorly. I also tried some of the crystal-type phones (the type that plug into your ear). While these worked after a fashion, they overloaded and distorted on strong stations.

#### Tuning procedure (Regular Antenna)

Connect the antenna and ground, then plug-in the headphones and put them on. Set S3 to tap 3.

- 1) Set both of the coil tap switches to their highest numbered tap.
- 2) Turn both variable capacitors until their plates are fully unmeshed.
- 3) Slowly begin to mesh the plates of both capacitors at the same time and the same amount until you hear a station, then leave both capacitors where they are set, and go on to step 4.
- 4) Using the detector capacitor tune the station for maximum volume. Then adjust the antenna capacitor for maximum volume. You may have to jockey

back and forth between the two capacitors because there may be some interaction between them.

- 5) Note and record the position of the capacitors.

6) From the position where the first station was found, repeat steps (3) through (5) until either of the capacitors reaches its fully closed position - then go to step (7).

- 7) Set both of the coil tap switches to a tap one step lower, and repeat steps (2) through (7).

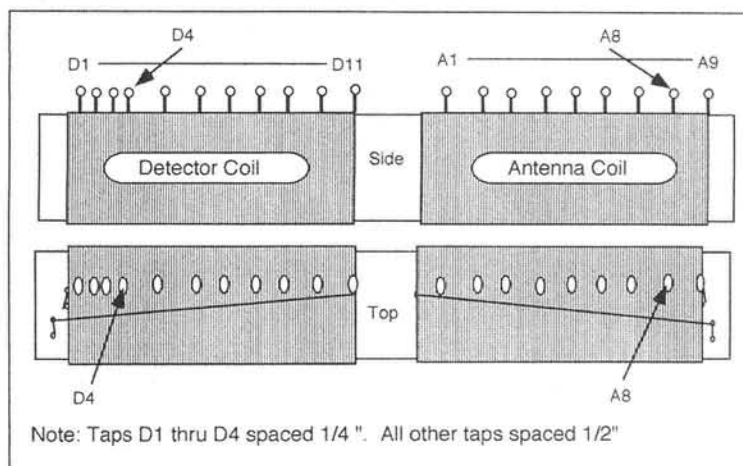


Figure 3. Identifying coil taps.

Steps (2) through (5) describe the general tuning procedure. However, you will have to experiment using various taps on the coils. This is because no two antenna systems are quite the same (so the taps on the antenna coil will require adjustment), and the tuning range of the detector coil and capacitor do not cover the entire broadcast band at any one tap setting. For example: stations on the lower frequencies will generally require S1 and S2 to be connected to

their higher numbered taps, and higher frequencies will require lower numbered taps. You also will observe that the same station can be tuned on more than one tap on either the antenna or detector coils. Record the settings of the taps and capacitors that produce the best performance for a particular station. This whole process is skill-intensive: it just takes a little practice - but it's fun!

The purpose of S3 is to provide the best tradeoff between volume and selectivity, and generally, only taps 1 through 4 are selected by S3. The lower numbered taps provide the best selectivity and the higher ones the best volume. However, the louder settings may decrease the selectivity to the point you will not be able to fully separate stations.

#### Tuning procedure (Short Antenna)

1) Set S2 and S3 to their highest taps, connect the antenna to the Short Antenna input, and connect a good ground. 2) Set C2 to its minimum capacity, and slowly begin to mesh the plates until you hear a station, then log the position of S2 and C2. Continue to mesh the plates and log stations as they are tuned. Repeat this procedure for each setting of S2.

This crystal radio is a little tricky to tune, but once you master the tuning process (and log the settings of the controls) it will be a joy to tune. And it provides wonderful listening. In my own case, I put on the headphones, turn the dials, sit back, and shed 60 years.

#### The Memorial Crystal Radio

# THE SIGNAL CORPS AS MARK TWAIN SAW IT OVER A CENTURY AGO...

Written in the "Territorial Enterprise", February 1866

THE SIGNAL CORPS Saw something the other night that surprised me more than my late investigations of spiritualism. It was some examples of the methods the United States Signal Corps use to telegraph information from point to point on the battle-fields of the rebellion. The Signal Corps "mediums" were Colonel Wicker, of the Russian Telegraph Expedition, and Mr. Jerome, Secretary of Mr. Conway of the same, both of whom were distinguished officers of Signal Corps throughout the war. Besides these two gentlemen there are only two other members of the corps on the coast.

In the late war a signal party was always stationed on the highest available point on the battlefield, and by waving flags they could telegraph any desired messages, word for word, to other signal stations ten miles off. At night, when torches were used, these messages have been read forty miles away, with a powerful glass. The flag, or torch, is waved right, left, up and down, and each movement represents a letter of the alphabet, I suppose, inasmuch as any villainous combination of letters and syllables you can get up can be readily telegraphed in this way with a good deal of expedition. These gentlemen I speak of sent messages the other night with walking-sticks, with their hands, their fingers, their eyes and even their moustaches! It is a little too deep for me.

One sat on one side of a large room, and the other at the opposite side. I wrote a long sentence and gave it to Jerome - he made a few rapid passes with his right arm like a crazy orchestra leader, and Colonel Wicker called off the sentence word for word. I confess that I suspected there was collusion there. So I whispered my next telegram to Jerome - the passes were made as before, and Colonel Wicker read them without a balk. I selected from a book a sentence that was full of uncommon and unpronounceable foreign words, pointed it out to Colonel Wicker, and he telegraphed it across to Jerome without a blunder. Then I gave

Jerome another telegram; he placed two fingers on his knees and raised up one and then the other for a while, and the Colonel read the message. I furnished the latter with the following written telegram:

"General Jackson was wounded at first fire."

He went through with a series of elaborate winks with his eyes, and that other signal-sharp repeated the sentence correctly. I wrote:

"Thirteen additional cases of cholera reported this morning."

The accomplished Colonel telegraphed it to his confederate by simply stroking his moustache. There must be a horrible imposition about this thing somewhere, but I cannot get at it. They say that when they are in lecture rooms and parlors whence they are not close enough to speak to each other, they telegraph their comment on the company with their fingers, on their moustaches, or by gently refreshing themselves with a fan.

The signal Corps was one of the most important arms of the military service in the late war. It saved many a battle to the Union that must otherwise have been lost. Yet many of the officers of the army did not believe in its efficiency, regarded it as an ornamental innovation, and bore it strong ill-will. At the battle of Winchester, the officer in command after General Shields was wounded, had pressing need

of reinforcements. The reserves were in full view six miles away. The Acting General asked a signal officer if he could order up a brigade. He said he could. "Then do it," said the General; "but," said he, "to make everything sure, I will dispatch an orderly for the reinforcements." The signal officer set his flags waving, and telegraphed: "Send up a brigade on the double-quick." Before the orderly was a hundred yards off, the anxious General gazing through his field glass, saw a brigade wheel into the plain, peel their coats and knapsacks off and throw them down, and come sweeping across on the double-quick. "By G— Here they come! - Send back the orderly," said the General - "but I didn't think it could be done!"



*Be good + you will be lonesome.*

*Mark Twain*

## QCWA Welcomes New Members

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| 12/14/98 29698 | NIPPER, VERNE FLETCHER | W0QVK  | OMAHA       | NE | MILT KROGSTAD       | W0FKG  |
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## Your Official QCWA Badge



The order blank is printed below. It comes with a standard clip and a bola clip.

**Note that you may order it with a pocket clip at an additional cost**

Bola ties are also available.

### QCWA Badge Order

Call \_\_\_\_\_

First Name \_\_\_\_\_

Last Name \_\_\_\_\_

Indicate whether you want your City/State or your Chapter name and Number as bottom line on badge.

1. City and State \_\_\_\_\_

**OR**

2. Chapter Name and Number \_\_\_\_\_

Badge..... \$7.00

Pocket Clip ( \$2.00).....

Bola Ties ( \$2.50).....

Bola tie color(circle one): Black, Blue, Brown, Green, Red and White.

Total Cost.....

Complete in full and mail with your check to:  
QCWA, 159 East 16th, Eugene, OR 97401-4017

### Radials - Continued from page 13

"The commode blew up," she said, tears streaming down her face. "I-I pushed the button like you said, and, it-it, - just blew up".

I took her in my arms just realizing that everything in the bathroom seemed normal. Rose was frightened but not harmed. There was no damage to the room. The toilet was even clean. "Tell me again Rose, what happened, you pushed the button?"

Just then the phone rang, Rose seemed ok so I answered the phone.

"What? . Say what? When...well... Oh yes, I am sure insurance will cover it. Oh, you mean MY insurance? You're sure it came ? You were sitting on your porch and saw the whole thing. You heard the blast and watched the.... what did you call it? A blivet came out of a pipe on my roof and hit your new Coup De Ville convertible in your driveway. It went right through the ragtop and exploded on the dash. . No, of course it was not intentional."

Just then, I remembered the 8Q. I handed Rose the phone and said, "Try to settle this guy down and do not flush the toilet until I turn off the Alpha. I think we got RF ground problems"...

"8Q7LU, this is Kilo four India Bravo Papa. Come on baby. Kilo four India Bravo Papa"...

Just then it dawned on me. Had I failed to bond my toilet's pump ground to the "common point"?

A quick calculation revealed the length of metal pipe between the toilet and the concrete septic tank was approximately 36 feet. Hum.

# FRANKLY, FRANKE'S THE GREATEST

***It's said that she is the most active lady Amateur Radio Operator in the State of South Dakota.***

One of the newest members of Dakota Chapter 102, QCWA is one who has met scores of nice people through the years and says, "It is a joy to be a ham." But more than that, this person is one who has given much more to Amateur Radio than she has received. She is 79 year old Frances Kruse, WØMZI. Franke, as she is called on the air, is the most active lady Amateur Radio Operator in the State of South Dakota.

Harry WØHOH, her late husband was first licensed in their family. Harry was a telephone man and as Franke says, "I either got a license or a divorce." She learned to copy code because Harry and two other telephone men used the twisted pair circuits to practice their code.

Franke was first licensed in January 1953 and got her General Class license in 1954. Amazingly, the Kruse clan boasts many hams in the family. Harry, WØHOH and Franke's brother Lee, WØHOJ, both deceased. (Incidentally, Lee, WØHOJ was President of Chapter 102 and NCS of the Dakota

Chapter's Sunday morning QCWA Net for many years). Also in the family of hams, two sons, Butch, NØDUX and Duff, KFØCQ, a Daughter-in-law Karen, NØDUW, a Granddaughter Angela, NØYOK, a Grandson-in-law Kyle, NØYOJ and a nephew Eddie, KAØFUH. It can be said that Franke was a strong influence in having so many of her family in the Ham Radio Ranks.

After Franke was licensed, Harry bought a Heath kit transmitter for her to assemble. Harry was a perfectionist and "threw up his hands" when Franke "Blobbed the solder around." Franke did all the other construction but Harry neatly soldered the work.

She was on the air and began operating right away. She had QSOs, checked into nets and handled traffic. The nets and the friends she made were fascinating to her 28 years ago in 1970 and continuing to date. She became NCS on a regular basis of the South Dakota 75 meter Morning Weather Net. She says, "I'll continue as long as I can remember the names and the towns." In addition to that tenure on the Weather Net, she was NCS on the evening South Dakota SSB Net for a number of years and was also NCS on a regular basis of the Colorado Columbine Net. She checks in regularly also on the nightly Tri-State 2-meter Weather Net conducted on the Black Hills Bear Mountain re-

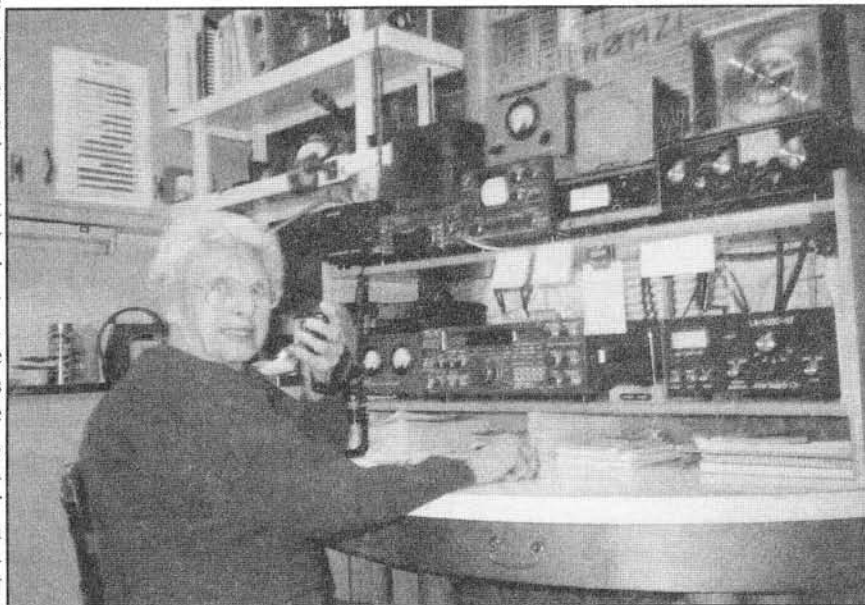
peater. She is an active member of the Black Hills, Hot Springs and Crazy Horse Amateur Radio Clubs. She recently loaned one of the local amateur clubs her husband's original home built receiver and spark gap transmitter for a program about old time equipment. Franke can always be counted on to handle traffic in Western South Dakota's Black Hills area.

Franke runs an ICOM 735 HF trans-

ceiver, a LA1000NT amplifier and a Kenwood TN 2530 2-meter rig. Signals radiate from Dipoles and a Tri-Bander beam on a 75-foot tower. Her beautiful home is at 5600 feet in Harney Canyon, South of Hill City in the Black Hills Forest of South Dakota.

Frances Kruse, WØMZI, is extremely well thought of and respected by the many ham friends she has known through the years. But more than that her service and dedication to Amateur Radio makes her a wonderful asset to the hobby. Your ham friends say "Thanks, Franke - way tago!"

Roger Kehm, KØROG Vice President Dakota Chapter 102, QCWA



**Frances "Franke" Kruse, WØMZI**

***South Dakota's Most Active Lady Ham***

## Chapters on the Air

| NO | NAME               | DAY   | TIME  | NC     | FREQ    | 77 NORTHERN NJ       | THU   | 2000L | W2IET  | 147.285 |
|----|--------------------|-------|-------|--------|---------|----------------------|-------|-------|--------|---------|
|    | SO CALIF CW        | SUN   | 1100L | W6WHM  | 7034    | 77 NORTHERN NJ       | SUN   | 1300L | W2OJW  | 3917    |
|    | FLA. SSB           | SAT   | 1300Z | W4NWF  | 3955    | 79 SUNFLOWER         | WED   | 2100L | VARIES | 146.82  |
|    | QCWA SSB           | SUN   | 2000Z | varies | 14347   | 81 LONG ISLAND       | FRI   | 2030L | K2YAW  | 146.745 |
|    | FLA. SSB           | WED   | 1500Z | W4NWF  | 7274    | 81 LONG ISLAND QCWA  | SUN   | 1130L | W2TLC  | 3917    |
|    | NE REGIONAL        | SUN   | 0845L | W2AUF  | 3917    | 85 ARK-LA-TEX        | MON   | 1930L | VARIES | 146.67  |
|    | QCWA CW            | WED   | 2000E | varies | 7035    | 87 EVERGREEN         | SUN   | 0700L | VARIES | 3984    |
| 1  | CLEVELAND          | WED   | 2000L | W8LYD  | 146.88  | 89 PALMETTO STATE    | SAT   | 0900L | W4DNR  | 3927    |
| 2  | CHICAGO AREA       | 1TH   | 2130L | W9MOL  | 147.15  | 89 PALMETTO          | SUN   | 1700L | N4LS   | 3695    |
| 4  | NORTHWEST          | SUN   | 1200L | W7PN   | 3952    | 91 VIC CLARK         | SUN   | 0900L | VARIES | 146.79  |
| 4  | NORTHWEST          | SUN   | 0800L | W7PN   | 3650    | 92 NORTHERN LIGHTS   | SUN   | 2000L | KL7CDG | 146.97  |
| 5  | DELAWARE VALLEY    | SUN   | 0945L | W2EEQ  | 3917    | 94 ROADRUNNER        | SUN   | 2000L | WB5YYX | 146.72  |
| 6  | PITTSBURGH         | SUN   | 0830L | W8CSU  | 147.03  | 95 EASTERN NY        | SUN   | 1130L | WB1M   | 3900    |
| 7  | SOUTHERN CALIF.    | SUN   | 1000L | W6ZRZ  | 147.36  | 96 GATEWAY           | SAT   | 1600Z | W4KGT  | 3937    |
| 7  | SOUTHERN CALIF.    | SUN   | 0900L | W6LPJ  | 3917    | 102 DAKOTA           | SUN   | 1499Z | VARIES | 3889    |
| 7  | SOUTHERN CALIF.    | SUN   | 1100L | W6WHM  | 3695    | 105 MIDDLE TENN      | THR   | 2000L | VARIES | 146.91  |
| 8  | UPPER MIDWEST      | SAT   | 0800L | W0KHG  | 3877    | 106 GERMAN           | TUE   | 1700Z | DL1MEB | 3555    |
| 9  | SOUTHWEST OHIO     | SUN   | 1330L | W8QOU  | 3987    | 106 GERMAN           | MON   | 1700Z | DL0QCW | 3669    |
| 10 | MICHIGAN           | SUN   | 0800L | VARIES | 3903    | 107 CENTRAL FLA.     | SAT   | 0900L | W4LHP  | 7243    |
| 11 | NORTHERN CALIF.    | SAT   | 1000L | W6AQR  | 146.85- | 107 CENTRAL FLA.     | THUR  | 1230L | W4LHP  | 14245   |
| 11 | NORTHERN CALIF.    | SUN   | 0930L | WA6AFT | 3907    | 108 BEAVER STATE     | WED   | 0800L | W7LVN  | 3910    |
| 12 | SOUTHEAST FLA.     | WED   | 2000L | VARIES | 146.76  | 109 BATON ROUGE      | SUN   | 2000L | VARIES | 146.79  |
| 14 | SAN DIEGO          | WED   | 2000L | K6QS   | 145.52  | 109 BATON ROUGE      | SUN   | 0830L | VARIES | 3905    |
| 16 | ARIZONA            | SUN   | 0630L | W7ER   | 3890    | 110 KANSAS           | SAT   | 0730L | KAORZO | 3920    |
| 17 | ALLENTN-BETHLM-    | SUN   | 1200L | W3FYKS | 3990    | 112 YANKEE           | SUN   | 0830L | K1JJJ  | 3802    |
| 19 | MISSOURI           | WED   | 1930L | KD0IR  | 147.15  | 114 NORTH TEXAS      | SAT   | 0830L | WA5BXH | 3941.5  |
| 20 | BALTIMORE          | MON   | 2100L | W3EE   | 147.285 | 120 QCWW             | TUE   | 1400L | VARIES | 14295   |
| 21 | CANTON OHIO        | THU   | 1930L | WA8DRT | 147.180 | 122 LAKE ERIE TRI-ST | SUN   | 0930L | W3QPP  | 3915    |
| 25 | NEBRASKA           | TUES  | 1900L | W0HXL  | 146.94  | 123 LEE DEFOREST     | SAT   | 0730L | VARIES | 3940    |
| 25 | NEBRASKA           | SAT   | 0830L | VARIES | 3982    | 126 PIEDMONT         | SUN   | 0845L | VARIES | 3935    |
| 28 | CENTRAL NY         | SUN   | 1030L | K2MFBS | 3917    | 128 PELICAN          | SAT   | 0930L | VARIES | 145.29  |
| 29 | FINGER LAKES       | SUN   | 1230L | VARIES | 3900    | 128 PELICAN          | MWF   | 1600L | VARIES | 145.29  |
| 31 | READING,PA         | MON   | 2100L | VARIES | 146.91  | 130 INLAND EMPIRE    | TUE   | 1930L | W6JQB  | 147.33+ |
| 32 | GATOR              | SAT   | 0930L | VARIES | 145.29  | 130 INLAND EMPIRE    | FRI   | 1600L | W6HV   | 3862    |
| 33 | GUNDRSN PENN-JERSY | DAILY | 2000L | W3APE  | 3982    | 130 INLAND EMPIRE    | WED   | 1930L | W6HV   | 1.896MH |
| 35 | MIDCONTINENT       | THU   | 2030L | K0YML  | 146.97  | 130 INLAND EMPIRE    | SAT   | 0800L | W6HV   | 3862    |
| 36 | NORTHWEST IND      | WED   | 1930L | N9MRS  | 147.495 | 131 GULF COAST       | TUE   | 0900L | VARIES | 28750   |
| 36 | NORTHWEST IND      | THU   | 2000L | N9MRS  | 3703    | 135 MID-MICHIGAN     | TUE   | 2000L | VARIES | 146.70  |
| 37 | HARRISBURG         | WED   | 2100L | K3IUY  | 147.12  | 138 CENTRAL NJ       | TUE   | 2200L | VARIES | 147.045 |
| 38 | SAN ANTONIO        | SUN   | 2030L | W5HRF  | 28650   | 140 WYOMING          | SAT   | 0800L | W7PHB  | 3923    |
| 41 | DALLAS             | SUN   | 0715L | varies | 3835    | 141 HI-PLAINS        | SAT   | 0900L | VARIES | 3933    |
| 45 | CITRUS             | TUE   | 1930L | VARIES | 147.195 | 142 NORTHWEST OHIO   | WED   | 2000L | W8FO   | 147.27+ |
| 46 | FOUNDER'S          | SUN   | 0845L | W2AUF  | 3917    | 143 NORTH COLORADO   | SUN   | 0830L | N0CG   | 145.115 |
| 46 | FOUNDER'S          | THU   | 2030L | W2AUF  | 147.36  | 146 TWIN STATE       | SUN   | 0830L | VARIES | 3898    |
| 48 | TREASURE COAST     | DLY   | 1700L | KD2XD  | 14.176  | 149 NUTMEG           | SUN   | 1130L | W1KHL  | 3923    |
| 48 | TREASURE COAST     | DLY   | 0800L | KD2XD  | 7153    | 150 DEL-MAR-VA       | SUN   | 0900L | K3PFW  | 146.82  |
| 49 | PEACH STATE        | WED   | 2030L | VARIES | 145.41  | 151 WILD ROSE        | MON   | 1900L | VARIES | 3747    |
| 49 | PEACH STATE        | SAT   | 0900L | K4VN   | 3857.5  | 154 LEO MEYERSON     | THUR  | 1830L | VARIES | 145.480 |
| 51 | TEX-LA GOLDEN TRI  | MON   | 1830L | WA5YCW | 146.70  | 157 PONY EXPRESS     | SUN   | 0830L | W0GGP  | 3955    |
| 54 | TYLER              | MON   | 1930L | W5RRM  | 28.650  | 160 UTAH             | SAT   | 1100L | VARIES | 7272    |
| 54 | TYLER              | SUN   | 0800L | K1ZW   | 3835    | 162 SOUTHEAST WIS    | THUR  | 2100L | N9NBCS | 147.87  |
| 55 | WISCONSIN          | SUN   | 1430L | VARIES | 3985    | 165 YORK COUNTY PENN | WED   | 2100L | W3AXC  | 146.97  |
| 58 | COLORADO           | SUN   | 0900L | VARIES | 3905    | 166 COLONIAL         | TUES  | 1000L | W3TTW  | 147.21  |
| 58 | COLORADO           | SUN   | 0930L | VARIES | 146.07  | 173 GOLDEN TRIANGLE  | TUE   | 1930L | W9JRY  | 147.255 |
| 62 | SUWANNEE           | SAT   | 0900L | W4PFJ  | 3940    | 181 HUDSON VALLEY    | SUN   | 0815L | W2OZA  | 3917    |
| 63 | CENTRAL OK         | SUN   | 0800L | W5AS   | 3856    | 181 HUDSON VALLEY    | TUES  | 2030L | WA2RRK | 147.060 |
| 63 | CENTRAL OK         | THUR  | 1900L | W5AS   | 145.41  | 182 NORTHEAST TENN   | SUN   | 2100L | WA4EHI | 146.76  |
| 64 | EL PASO            | SAT   | 0830L | W5RO   | 3933    | 183 PIONEER          | SUN   | 1030L | W1ALL  | 3923    |
| 65 | NIAGARA FRONTIER   | SUN   | 1330L | W2SD   | 3900    | 188 LOST RIVER       | 1ST W | 1915L | K7RFO  | 146.85  |
| 67 | AUSTIN             | SAT   | 0900L | N5WU   | 3920    | 191 MONTEREY BAY     | TUES  | 1930L | AA6T   | 146.70  |
| 70 | NATIONAL CAPITAL   | THUR  | 2000L | VARIES | 147.03  | 194 HAWAII           | 1st S | 1500L | VARIES | 7088    |
| 73 | SOUTHERN ONT       | SUN   | 0900L | VE3AGS | 3773    | 195 SUN CITY         | SAT   | 0930L | VARIES | 145.29  |
| 75 | CENTR CALIF. COAST | SAT   | 0800L | W6RBB  | 3917    | 198 MID SIERRA       | SAT   | 0700L | W6JTA  | 3906    |
| 76 | BLUE RIDGE         | SAT   | 1000L | K4RR   | 3930    | 199 PHIL LEIBLE      | SUN   | 0930L | WA0XNI | 3905    |



# The Quiz from *Hell*

PART II

Blame it on Al La Placa W2WW

Al La Placa W2WW is a gentleman who either deserves a medal or has entirely too much time on his hands. Al has prepared a two-part quiz that will test the minds, memories and probably your patience. The quiz not only will challenge your knowledge of ham radio equipment and history but it will provide you with ample chuckles at some of the outrageous choices of answers. A word of warning: The quiz is not for the faint of heart. It's tough. Al says, "For the most part, the quiz was composed from browsing through 1945-1949 issues of QST."

As your Editor, I hereby challenge you to submit your answers to Part II of the quiz before the next deadline of April 1, 1999 in order that a winner can be announced in the Spring issue of the Journal. The person with the highest score in each part will be awarded one of the fancy new QCWA Golf Shirts. A third award for overall excellence will be considered after Part II. In case of a tie, the first answer sheet received will be deemed the winner. If I receive a pile of submissions on a given day, I will number the envelopes as they are piled in my mailbox with the lowest numbered envelope getting the nod in case of a tie. Is that confusing enough? If I get several thousand quizzes to grade - there is a good chance nobody will win because I'll probably leave the country, with no forwarding address! Just kidding. But I may have to delay announcing the winners depending on the quantity of submissions.

Please write legibly. I suggest you write the question number, a dash, followed by the lettered answer. For example: 17 - a. Submit your answers to Gerry Wentz, Editor; 672 Indian River Drive; Melbourne, FL 32935. If you have any comments on the quiz, please address them to the President, Gary Harrison KØBC at address on page 2.

## Commercial Ham Equipment

### 41) Which receiver is out of place in this group?

- a) NC-183D
- b) SX-71,
- c) HQ-129-X
- d) 75A1.
- e) GPR-90.

### 42) Which transmitter is out of place in this group?

- a) Lysco 6005,
- b) HT-20,
- c) Adventurer,
- d) DX-20,
- e) SRT-120P

### 43) Which number is out of place in this group?

- a) 810,
- b) 814,
- c) 100<sup>th</sup>,
- d) V-70-D
- e) ZB-120.

### 44) Vesto Co., Inc. made:

- a) Code practice oscillators
- b) Yagis,
- c) Test equipment,
- d) Towers,
- e) VHF transmitters.

### 45) Which of the following did NOT market mobile transmitters?

- a) Babcock Radio Engineering, Inc.,
- b) Morrow Radio Mfg. Co.,
- c) Sonar Radio Corp.,
- d) E.F. Johnson Co.,
- e) Barker & Williamson, Inc.

### 46) The 310B and 30K1 were made by:

- a) T.M.C.
- b) Tempco
- c) The Voice of America,
- d) RCA,
- e) Collins.

### 47) Which of the following did NOT market crystals?

- a) Midland Mfg. Co., Inc.,
- b) Bliley Electric Co.,
- c) The James Knights Co.,
- d) J.W. Miller,
- e) Petersen Radio Co., Inc.

### 48) Central Electronics is a name best known for:

- a) Centrally-located retail distribution of ham gear,
- b) Control & monitoring equipment used by all the "big guns",
- c) Outfitting shipboard radio shacks,
- d) Multiphase transmitters,
- e) Manufacture of pre-wound plug-in coils.

### 49) The SP-200, SP-400 and SP-600 were made by:

- a) Hallicrafters,
- b) Stancor,
- c) Hammerlund,
- d) Cosmophone,
- e) U.S. Army.

### 50) A "Pan-adaptor" connected to

- a) An antenna,
- b) A receiver IF,
- c) A frying pan to convert it to a microwave antenna,
- d) Speaker leads,
- e) None of the above.

### Match Equipment Number with Manufacturer's Letter

- 51) HRO-5 a) Harvey-Wells Electronics, Inc.  
52) AF-67 b) E.F. Johnson Co.  
53) Communicator c) Multi-Products Co.  
54) TBS-50 d) National Co., Inc.  
55) Blue Racer e) Gonset  
56) 813 f) The Hallicrafters Co.  
57) Conelrad Monitor g) James Millen Mfg. Co., Inc.  
58) 90651 h) Usually Homebrew  
59) Ranger i) RCA  
60) SX-28A j) The Vibroplex Co., Inc.

### Match Manufacturer Number with Equipment-type Letter

- 61) Eldico Electronics a) Crystals  
62) Am. Electronics Co. b) "Globe" Transmitters  
63) Lettine Radio Mfg. Co. c) "Knight" Radio Equipment  
64) Petersen Radio Co, Inc d) Yagi Antennas  
65) Eitel-McCullough Inc e) C.P.O. & License-study materials  
66) Greenlee Tool Co. f) Panel meters  
67) Telrex Laboratories g) Chassis punches  
68) Shurite h) Transmitters & electronic keyers  
69) World Radio Labs i) Power transmitting tubes  
70) Allied Radio j) HF & VHF xtal controlled transmit

### Odds & Ends

#### 71) A "Gardner" modulator was used to:

- a) Produce FM,  
b) Screen modulate a final,  
c) Cathode modulate a final,  
d) Till flower beds,  
e) Fly radio-controlled planes.

#### 72) A "Dry" VFO was one that:

- a) Was hermetically sealed,  
b) Was so stable it was referred to as sober,  
c) Was an external L-C combo,  
d) Operated only in low humidity,  
e) None of the above.

#### 73) "H.A.A.T." is most commonly associated with:

- a) Aeronautical mobile flight plans,  
b) Top-loading devices for vertical antennas,  
c) Repeater applications,  
d) Having All Antennas Tuned,  
e) None of the above.

#### 74) Which manufacturer DOESN'T belong in this group?

- a) B7W,  
b) Millen,  
c) Measurements Corp.,  
d) Heath Co.,  
e) Centralab.

#### 75) The 4D32 tube was used in the:

- a) Johnson Viking I,  
b) Collins 32V1,  
c) Collins 32V2,  
d) All of the above,

e) None of the above.

### Match the manufacturer with "Home town" (circa 1954)

- 76) Collins Radio Co. a) Waseca, MN  
77) Hallicrafters b) San Bruno, CA  
78) Hammerlund c) Burgank, CA  
79) E.F. Johnson Co. d) Southbridge, MA  
80) Heath Co. e) Brooklyn, NY  
81) Eimac f) Chicago, IL  
82) National g) Benton Harbor, MI  
83) Gonset h) Malden, MA  
84) Sonar Radio Corp. i) Cedar Rapids, IO  
85) Harvey-Wells Electronics, Inc. j) New York City  
k) Cleveland, OH  
86) Morrow Radio Mfg. Co.  
87) Bud Radio, Inc. l) Van Nuys, CA  
88) Telrex m) Racine, WI  
89) World Radio Labs n) Council Bluffs, IO  
90) Walter Ashe Radio Co. o) Valley Stream, NY  
91) Vesto Co. p) Salem, OR  
92) Babcock Radio Eng., Inc. q) Warren, MN  
93) Lettine Radio Mfg. Co. r) North St. Louis, MO  
94) The Dow-Key Co., Inc. s) St. Louis, MO  
95) U.H.F. Resonator Co. t) Asbury Park, NJ

### General Theory or Knowledge

#### 96) "Auto transformers" may be:

- a) Used directly in DC circuits,  
b) Used only "step up",  
c) Used only "step down",  
d) Never used |:  
e) None of the above.

#### 97) "Globar" resistors have characteristics which resemble:

- a) LCD units,  
b) Neon lamps,  
c) Fluorescent lamps,  
d) Incandescent lamps,  
e) Slo-blo fuses.

#### 98) What was the prefix for (now deleted) Saarland?

- a) DLS,  
b) FØ,  
c) 1A,  
d) 5D,  
e) 9S.

#### 99) A "loop skywire" falls into what category on its fundamental frequency?

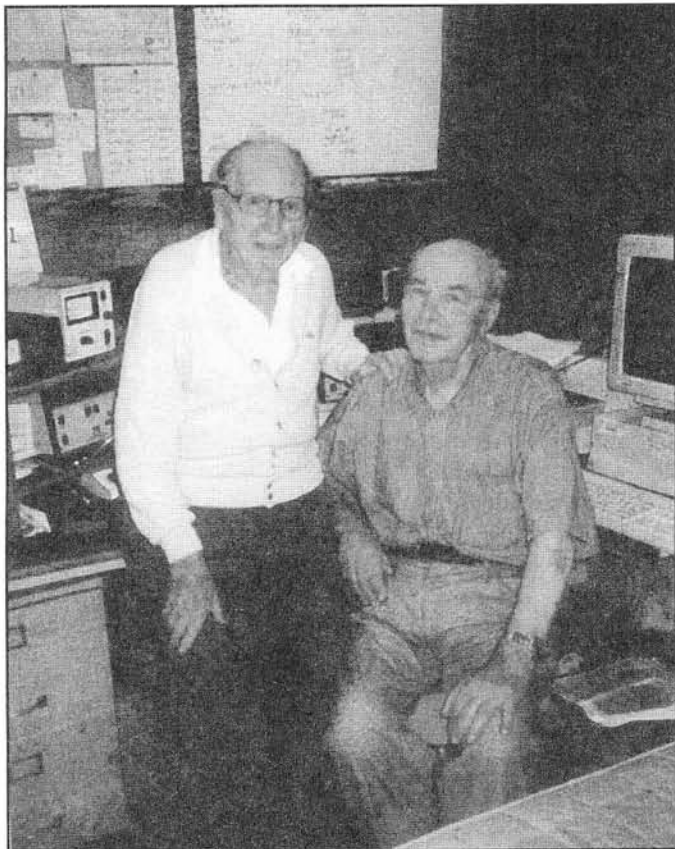
- a) Brewster angle antenna,  
b) Ground plane antenna,  
c) Undefined,  
d) N.V.I.S. antenna,  
e) None of the above.

#### 100) What were "C-supplies" used for?

- a) Scope tubes,  
b) Reverse bias suppressor grids,  
c) Apply D.C. to center tap of filament transformer,  
d) They were never used,  
e) Grid bias.

# DIAMOND QSO (75 YEARS)

On the 17th of November 1923, Bob Baird U8CWR in Dayton, OH and Al 9BBI of South Bend, IN had their first QSO. Little did either of them realize that on November 17, 1998, they would have another QSO that would mark the 75th year of QSOs and an enduring friendship.



Bob Baird W9NN (l) and Al Kahn K4FW (r).

Bob Baird W9NN retired as an Engineering Supervisor of WGN after 36 years and was the founder of W9DXCC. He is on the Honor Roll of the QCWA for outstanding service and is a member of the ARRL, OOTC and the FOC.

Al Kahn K4FW was the President of Electro-Voice and co-founder of Ten-Tec. In 1961, Al and W9IOP activated Vatican HV1CN for the CQWW Contest. He is a recipient of the QCWA Honor Roll Award and a member of the ARRL, QCWA (#985), OOTC (#813) and FOC (#498).

1923

ARRL **U8CWR** ARRL

ROBERT E. BAIRD, 34 West First St., Dayton, Ohio

Friend 9BBI Date 17 Nov

Your Signals VY 2.3.3 here 12:46 AM and Tone PDC

Remarks UL 400K FB U AGN AL

Transmitter: 1010 Watt; 1DH Circuit. Antenna Current: 3 T. C

Plate Voltage from: 1000 Volts, Advance Synchronous Rectifier.

Receiver: Carco Low-Loss Tuner. Detector, 2 Step Audio.

Antenna: Six Wire, Cage Type. Counterpoise: 14 Wire, Fan.

Best 73's

"R. B."

R. O. W. H. Robert Baird

City Manager, O. R. S. R.

R010.8-CWR

UR CW SIGS WKD FB HR AT 12:46 C.S.T.

11/17/23 GET U VY QRK ON GREBE CR-3 1 STEP AF

T. TRANSMITTER - 10 WATTS ONLY RAD. 1.3 AMPS

AS ONLY C-T 400 VTS ON PLATES (WL HV 100 WATTS SET)

HARTLEY CIR. - DX HR LAST YR ON REAL 10 WATTS 100

REG.

HOPE WK U AGN.

TNX 4 CRD.

73's

9BBI

ARRL

R.O. W.H.

ALLIANT KAH

OLD RIVERSIDE

DRIVE

S. BEND

1998

| CONFIRMING QSO WITH | DATE      | TIME  | UTC  | FREQ | MODE | QSL |
|---------------------|-----------|-------|------|------|------|-----|
| K4FW/8              | 17 Nov 98 | 15:30 | 7040 | 599  | 2x   |     |

**W9NN**

ROBERT E. BAIRD 75 YRS OF QSO ON THIS DATE, WOW!

Post Office Box 498 13 Retired from WGN Chicago after 36 years.

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| CONFIRMING QSO WITH | DATE  | TIME | UTC  | FREQ | MODE | QSL |
|---------------------|-------|------|------|------|------|-----|
| W9NN                | 17 11 | 98   | 1530 | 7040 | 2x   | PSE |
|                     |       |      |      |      | 2x   | TNX |

Transceiver OMNIT Amplifier Harmonics

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**WANTED:** Hallicrafters S-38B communications receiver, preferably in working condition. W3ETQ, Ed Brace, 405 Maple Ave., Elmira, NY 14904 E-mail ebrace1.stny.lrun.com

**Wanted:** CW transmitter with VFO. About 100W and even home brew is fine. I am a CW lover and really want to get back on CW. Reply via E-mail to: terry@sinclair.net or: Terry L. Perrault, PO Box 178, Retsil, WA 98378

**WANTED:** Swan 210 6m VFO, SS-208 HF VFO, xlnl condition, for my use. Jan Robbins, NØJR, 1120 Walnut St., Cedar Falls, IA 50613, 319-277-1499, email: SwanMan@cfu.net

**WANTED:** Hammarlund HC-10 SSB converter. Bill Mills, 188 Ellis Mill Road, NE, Milledgeville, GA 31061-9020, Ph: 912-452-2957 or e-mail: wmills@gmc.cc.ga.us.

**WANTED:** Narrow based Vibroplex Bug (3 inches or less). Early Collins goods. Signals Magazines. B&W JEL Coils (Junior/Baby). Brian Roberts K9VKY, 130 Tara Dr., Fombell PA 16123 724-758-2688.

**WANTED** By W2WW: National XR-4 Forms & AD & AM Dials. E.F. Johnson 500E20 Capacitors. Harvey Wells Z-Match. Al La Placa W2WW. Box 233, Centerreach NY 11720-0233.

**FOR SALE/TRADE:** Numerous equipment manuals for Hallicrafters, Hammarlund, National, Globe/WRL, Heath, Allied/Knight, Johnson Viking, Gonset, EICO, B&W, RME, Conar, Harvey-Wells, Lafayette, Morrow, Drake, Ameco, Clegg, others. NI4Q. P.O. Box 690098, Orlando FL 32869-0098. 407-351-5536 or ni4q@juno.com

**WANTED:** Heathkit AR-3, Mosley CM-1, GE X-371, Hallicrafters CR-3000, state condition and price. Herman Schnur 3205 Brick Kiln Rd., Greenville NC 27858. Ph: 252-752-2264

**FOR SALE:** Hallicrafters SX-71, SX-101, S-40B, Echophone EC1A, Morrow Conalrad RCVR, George, WA6DZR 562-596-6247 griggins@worldnet.att.net.

**FOR SALE:** TEST EQUIPMENT - B&W SSTV - Antennas - Coax Connectors - Cables - Coax Switches:QST - oodles of stuff. No antiques. Larry Briggs W3MSN. 5108 Boulder Dr., Oxon Hill MD 20745. Ph: 301-894-3977

**FOR SALE:** The Electric Telegraph 1890 - Bunnell Manual 1900 - Mesco Manual of Wireless Telegraphy 1911 - Gernbach's Modern Electric's 1912. Fifteen Dollars each postpaid. Dr. W.C. Hess W6CK. P.O. Box 19, Pasadena GA 91102.

**WANTED:** Collins microphones SM-1, 2, or 3, 651S1, 75S3C, KWM-380, National HRO-500, NC-400, Drake DSR-1, DSR-2, R7, Hallicrafters SX-88m SX-73, Hammarlund PRO-310. Steve K6PFW. 848 N. Silverwood, Upland CA 91786. Ph: 909-985-1062 e-mail: wsbarnes@eee.org

**HEATHKITS WANTED:** Premium prices paid for unbuilt Heathkits in original kit form. Please contact Rob W3DX at w3dx@aol.com or Ph: 804-971-6812.

**FOR SALE:** HQ-129-X with speaker. In working condition. \$100.00 plus shipping. Joseph C. Kolb W5JEB P.O. Box 310, Mangum OK 73554. Ph: 580-782-2657 or Fax: 580-782-2457

**WANTED:** Any radio used by OSS. Examples are SSR-1, SST-1 or other sets with "SS" designations. Also manuals, accessories, etc. Gary Cain W8MFL 202 West 5th Ave., Shakopee MN 55379. Ph: 612-496-3794.

**NEEDED:** Velvet vernier dial made by KURZ-KUSCH in the 1930s. Will pay reasonable price. Dave Raynes K5IF 60601 E. 323 Ln., Grove OK 74344 Ph: 918-786-9656

**FOR SALE:** Drake TR4C/AC4.spkr. Manual. Excellent condition. KB4VDY estate. \$350 or best offer. Contact W2SEN 32 River's Edge Rd., Waquoit MA 02536. Ph: 508-495-0349 or email: royduffus@aol.com

**FOR SALE:** Two Jennings 200pf 45 kV vacuum condensers. Excellent condition. Wayne Cooper AG4R, 1113 Beverly Dr., Alexandria VA 22302-2423. Ph: 703-671-5629 or ag4r@erols.com

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc count as 1 word; your address counts as 6 words.

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This form for use by all U.S. applicants  
for membership in QCWA.  
Effective 4/1/96

For Office Use Only

Membership No. \_\_\_\_\_

Date \_\_\_\_\_

First Licensed, Year \_\_\_\_\_

Deposit Record \_\_\_\_\_

**Have you been previously enrolled in QCWA?** \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_  
(Please Print Name Clearly) Present Callsign

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued \_\_\_\_\_ Other calls held \_\_\_\_\_  
I wish to become affiliated with QCWA Chapter \_\_\_\_\_  
Date of birth \_\_\_\_\_ Birthplace \_\_\_\_\_  
Present occupation/business \_\_\_\_\_  
If retired, what was major life work? \_\_\_\_\_  
Other organizations you belong to \_\_\_\_\_

Your signature \_\_\_\_\_

## SCHEDULE OF MEMBERSHIP FEES

### Select one of the following plans

|                                     | Members | Family               |       |
|-------------------------------------|---------|----------------------|-------|
| QCWA dues for a one-year period     | \$20    |                      | _____ |
| QCWA dues for a two-year period     | \$35    |                      | _____ |
| QCWA dues for a three-year period   | \$50    | \$12                 | _____ |
| QCWA life membership                | \$300   | \$90                 | _____ |
| Payable in 3 equal installments     |         |                      |       |
| of \$105 each, in a one-year period | \$315   | \$105                | _____ |
|                                     |         | (3 payments of \$35) | _____ |

### **Initial registration fee, all new members - \$3**

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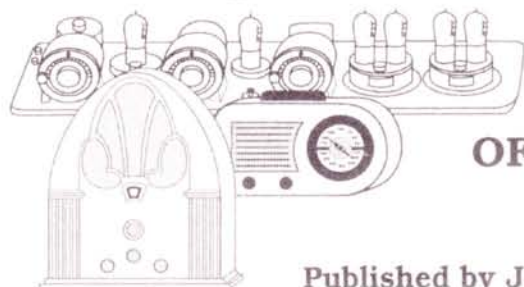
Tie tack \_\_\_\_\_, Screw button \_\_\_\_\_, Safety pin \_\_\_\_\_, ----- \$10 each \_\_\_\_\_

Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each \_\_\_\_\_

**Total** \_\_\_\_\_

**Proposed by** \_\_\_\_\_, **Callsign** \_\_\_\_\_, **No.** \_\_\_\_\_

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